

19980309.qrp v01_n024.qrs.980309

Date: Mon, 9 Mar 1998 19:04:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1024

QRP-L Digest 1024

Topics covered in this issue include:

- 1) [5538] Re: SMiTe modifications
by GERALDCUND <GERALDCUND@aol.com>
- 2) [5539] FOX LOG 03/04/98 FINAL (?)
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 3) [5540] knightmite K0FRP
by alan dawkins <alk0frp@earthlink.net>
- 4) [5541] CQrp (Columbus, OH)
by SABorns <SABorns@aol.com>
- 5) [5542] Loop Antenna's
by sgordon1@ibm.net
- 6) [5543] N8VZU
by Bruce Rattray <rattray@gpfn.sk.ca>
- 7) [5544] Converting a Scout to an Argo?
by William Keith Hibbert <wb2vuo@frontiernet.net>
- 8) [5545] PathCalc
by "Robert D. Haslach" <rhaslach@CapAccess.org>
- 9) [5546] re: NE-QRP meeting--get your miniature gear photographed!
by "Heron, George" <G.Heron@dialogic.com>
- 10) [5547] Re: NorCal Announcement
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
- 11) [5548] Rig advice needed
by N9DD <N9DD@aol.com>
- 12) [5549] Re: Loop Antenna's
by nq2rp@juno.com (B/BAMS Club Station)
- 13) [5550] mailing address...
by kd4zkw <kd4zkw@amsat.org>
- 14) [5551] Re: FOX LOG 03/04/98 FINAL, V 1.2
by SEAB&SHARON LYON <SSLYON@worldnet.att.net>
- 15) [5552] Ten-Tec 1340, Side Tone Thump?
by "Ronny G. Merkel" <rgmerkel@deltanet.com>
- 16) [5553] Re: Rig advice needed
by kd4zkw <kd4zkw@amsat.org>
- 17) [5554] Re: Fox ????
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 18) [5555] FOX after all this time
by N10DL <N10DL@aol.com>
- 19) [5556] Re: TechAmerica 20Mhz Protek Scope

- by "Mark A. Andrews" <KE4IOF@HiWAAY.net>
- 20) [5557] Re: Using Topo Maps for selecting QRP sites
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 21) [5558] FS SSB MFJ 20
by RangerSF5 <RangerSF5@aol.com>
- 22) [5559] FOX: N/T+ fox this Sunday - NOGLM
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [5560] Vibroplex for trade
by "Jerry Kitterman" <jerry@otherside.com>
- 24) [5561] Alaska State QSO Party Reminder...
by Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
- 25) [5562] Re: Fox ????
by Shephed <Shephed@aol.com>
- 26) [5563] Re: CQrp Meeting Saturday -- Great fun!
by Nancy Rabel Hall <kc4iyd@ix.netcom.com>
- 27) [5564] Re: Using Topo Maps for selecting QRP sites
by jerrydeen@juno.com (Gerald A Huldeen)
- 28) [5565] WRTH needed
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
- 29) [5566] Fox night at the key.
by Shephed <Shephed@aol.com>
- 30) [5567] MFJ 1278
by Shephed <Shephed@aol.com>
- 31) [5568] SSB DX Contest QRP
by flydnq7x@primenet.com (Floyd Smithberg)
- 32) [5569] RE:Vibroplex bug
by kb3bxv@juno.com (Raymond H Hamilton)
- 33) [5570] W7EL Wattmeter - From the Horses Mouth
by "Glen Torr" <glentorr@ozemail.com.au>
- 34) [5571] Re: Rig advice needed
by "Wayne Barnhart" <wb7whi@triax.com>
- 35) [5572] ARRL SSB DX CONTEST
by Rogerio Gonzaga <gonzaga@med.up.pt>
- 36) [5573] Re: Rig advice needed
by LYN WILLIAMS <designserv@ipass.net>
- 37) [5574] Re: WRTH needed
by LYN WILLIAMS <designserv@ipass.net>
- 38) [5575] Dual Loop, and drawings (of sorts)
by nq2rp@juno.com (B/BAMS Club Station)
- 39) [5576] Re: NORCAL Announcement
by Tom Moll <tomm@xata.com>
- 40) [5577] SM part suppliers
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 41) [5578] Re: SSB DX Contest QRP
by Zack Lau <zlau@arrl.org>
- 42) [5579] [v31xe@dzn.com: re:wrth]
by af852@rgfn.epcc.Edu (William R Colbert)
- 43) [5580] ARRL DX SSB and the happy dance (almost!)

by Jon Iza <iapizloj@bicc00.bi.ehu.es>
44) [5581] Re: [v31xe@dzdn.com: re:wrth]
by kd4zkw <kd4zkw@amsat.org>
45) [5582] KnightLites ,Sunday storm, and goodies (long)
by John Burnley <JBurnley@ifmc.org>
46) [5583] Re: NORCAL Announcement
by "ukii" <ukii@megsinet.net>
47) [5584] KnightLites, Storms, and goodies (long)
by John Burnley <JBurnley@ifmc.org>
48) [5585] Re: NORCAL Announcement
by Monte Stark <ku7y@sage.dri.edu>
49) [5586] FT-990 Help
by DENNIS MO <DENNISMO@aol.com>
50) [5587] Re: KnightSMiTe
by "aa0qx" <aa0qx@prodigy.net>
51) [5588] Re: MFJ 1278
by Mike - W0TMW <crucis@sky.net>
52) [5589] WE6W: LOST EMAIL/Webpage back up.
by Ed Loranger <we6w@qsl.net>
53) [5590] Re: NORCAL Announcement
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
54) [5591] RE:W3EDP antenna--an analysis
by Ed Loranger <we6w@qsl.net>
55) [5592] SMiTe LIVES!
by n4js@pobox.com
56) [5593] Staggered Yagis--an update
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
57) [5594] Weird Tick 2B problem
by Ken Knecht <kenk@primenet.com>
58) [5595] Sorry for the dup posting!
by John Burnley <JBurnley@ifmc.org>
59) [5596] WE6W: EMAIL Working again for me.
by Ed Loranger <we6w@qsl.net>
60) [5597] Re: DCTU antenna
by Tellefsen Bob-CNSE97 <cns97@lmpsil02.comm.mot.com>
61) [5598] Re: Knitesmite low output power?
by "Bob Kellogg" <ae4ic@nr.infi.net>
62) [5599] Elmer 101-equipment
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
63) [5600] BK O-scope information?
by Ed Loranger <we6w@qsl.net>
64) [5601] Re: Elmer 101-equipment
by Dave Sjolin <sjolin@swbell.net>
65) [5602] Re: Rig advice needed
by mahlon.r.haunschild@ac.com
66) [5603] 10 M qrp ssb
by kd4zkw <kd4zkw@amsat.org>
67) [5604] Re: Rig advice needed

- by Mike - W0TMW <crucis@sky.net>
- 68) [5605] Re: Elmer 101 test equipment
by Charles Kadesch <chas@digizen.net>
- 69) [5606] Re: MFJ 1278
by Shepherd <Shepherd@aol.com>
- 70) [5607] IC-705MK II for QRP?
by Tim Ahrens <tahrens@inetport.com>
- 71) [5608] Re: FT-990 Help
by n0bf@juno.com (Stephen C Stuntz)
- 72) [5609] Help -- how to I count countries for contest multipliers?
by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
- 73) [5610] Email address on CW?
by ea8yu Goran <rodriguez@jet.es>
- 74) [5611] Dual Loop (with corrections and clarifications)
by nq2rp@juno.com (B/BAMS Club Station)
- 75) [5612] Re: Elmer 101-equipment - Fluke 76DMM
by Dave Sjolín <sjolin@swbell.net>
- 76) [5613] Another book
by Laura Halliday <ve7ldh@direct.ca>
- 77) [5614] Re: Email address on CW?
by Shepherd <Shepherd@aol.com>
- 78) [5615] Current,+ to - ???
by "ukii" <ukii@megsinet.net>
- 79) [5616] Correction to my log for 3/9/98
by Shepherd <Shepherd@aol.com>
- 80) [5617] Re: NORCAL Announcement & the post-postmodern apotheosis of Kenny
by nilsbull@juno.com (Nils R Young)
- 81) [5618] Re: Current,+ to - ???
by Monte Stark <ku7y@sage.dri.edu>
- 82) [5619] Re: Current,+ to - ???
by kd4zkw <kd4zkw@amsat.org>

Date: Sun, 8 Mar 1998 19:03:15 EST
From: GERALDCUND <GERALDCUND@aol.com>
To: crmayer@mindspring.com
Cc: qrp-l@Lehigh.EDU
Subject: [5538] Re: SMiTe modifications
Message-ID: <1a8edf59.350331c5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Christopher

I just picked up a variety pack of surface mount parts at a hamfest today. 50 pieces for \$4.95. I got 3904,3906,4401,4403,and 914s. They had resistor,

choke, and capacitor assortments also. Radio Shack sells the resistors in their mail order stuff. I picked up a bunch on clearance last year at my local RS. So you might check out the parts vendors at your local hamfest. The surface mount stuff is starting to show up.

Gerald,KE4LIA

Date: Mon, 9 Mar 1998 00:19:39 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [5539] FOX LOG 03/04/98 FINAL (?)
Message-ID: <19980309001938.AAA462@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

HERE'S THE LATEST. THANKS TO ALL FOR INPUT AND KIND WORDS. =S=

.....

>
>TIME CALL SENT RECD ST NAME #/PWR
>//// // // // // //
>0300 K10J 559 559 TX OWEN 732
>0302 AA9L 559 559 WI RICHARD 191
>0303 WA9PWP 559 569 WI PAUL 127
>0306 K50N 559 559 NM GARY 770
>0308 W0CH 549 559 MO DAVE 618
>0309 K1MG 549 449 CA MIKE 614
>0310 KA5T 549 449 TX LARRY 89
>0311 K5ZTY 559 559 TX BILL 473
>0313 K0EVZ 559 569 MN DOC 861
>0314 KU7Y 449 559 NV RON 17
>0315 K5JHP 549 339 TX BILL 825
>0317 AA0ZZ 549 559 MN CRAIG 1238
>0319 NQ7X 449 559 AZ FLOYD 343
>0320 N5JI 449 449 TX DICK 1054
>0322 K5ID 559 559 AR KEN 652
>0324 W5SB 449 449 TX BILL 1297
>0325 AB7TT 449 449 AZ JOE (ILLEGIB.)
>0327 W0RW 559 579 CO PAUL 2W
>0328 AB5UA 449 559 OK CLIF 478
>0330 K5UP 339 559 OK GLEN 21
>0332 W5HNS 449 549 TX HENRY 178
>0333 N4AN 339 539 NC JOE 3W
>0336 N0TU 549 559 CO STEVE 911
>0340 WE6W 539 529 CA ED 1068

| | | | | | | |
|-------|--------|-----|-----|----|-------|-------|
| >0344 | VE5RC | 559 | 559 | SK | BRUCE | 886 |
| >0348 | N7IR | 539 | 559 | AZ | GARY | 1330 |
| >0351 | N1TP | 559 | 559 | FL | TOM | 1317 |
| >0352 | WB0T | 539 | 339 | IA | JERRY | 1268 |
| >0356 | W5FN | 559 | 559 | TX | TIM | 586 |
| >0357 | WB0ATR | 539 | 559 | MN | SCOTT | 1455 |
| >0358 | K5VUU | 559 | 559 | TX | ED | 1343 |
| >0400 | W6SU | 549 | 559 | CA | JOHN | 48 |
| >0406 | AB9IUA | 549 | 449 | IL | KEVIN | 384 |
| >0407 | N6WG | 549 | 339 | CA | BOB | 26 |
| >0411 | AB7TK | 559 | 339 | ID | RANDY | 102 |
| >1412 | N7GS | 549 | 549 | MT | MAL | 215 |
| >0414 | K2VCO | 339 | 229 | CA | VIC | 725 |
| >0418 | AC5JH | 549 | 449 | LA | TOM | 1319 |
| >0420 | K0SU | 339 | 229 | CO | RICK | 539 |
| >0422 | K5FO | 339 | 559 | TX | CHUCK | 1 |
| >0425 | AA5TA | 339 | 339 | TX | LARRY | 1245 |
| >0430 | W6ZH | 339 | 549 | CA | PETE | 257 |
| >0433 | K06KA | 229 | 229 | AZ | ROB | 176 |
| >0436 | K4BES | 229 | 559 | CA | DAN | (?) |
| >0441 | KI7MN | 339 | 229 | AZ | BOB | 271 |
| >0448 | AC6LA | 229 | 559 | CA | DAN | 515 |
| >0451 | N7CQR | 339 | 339 | OR | DAN | 502 |
| >0457 | WB0T | 559 | 559 | IA | JERRY | 0.5W |

>

TOTAL = 49

>

>Thank you all... see you TUESDAY nite (UTC) AT 0200 (UTC).

>72 =S=

>

>

>Seab Lyon, AA1MY, Bethel, CT, USA

>FN-31-HJ; ARRL; QCWA; ACRI#9253;

>QRP-L#574; NEQRP#511; Pres., C.A.R.A.:

><http://www.danbury.org/org/cara/>

>

>

>

Seab Lyon, AA1MY, Bethel, CT, USA

FN-31-HJ; ARRL; QCWA; ACRI#9253;

QRP-L#574; NEQRP#511; Pres., C.A.R.A.:

<http://www.danbury.org/org/cara/>

Date: Mon, 09 Mar 1998 17:21:23 -0800

From: alan dawkins <alk0frp@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [5540] knightsmite K0FRP
Message-ID: <35049593.4698@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Found a package from AE4IC "Bob" in my mailbox. Gee the surface mount PixieII. WOW don't sneeze or the parts will be carpet dust. All parts are mounted no power applied yet. No C1 but has 8 caps marked 222. the parts page says 27 pf for C1 or the diagram says 50 pf variable. Thinks I'll put in a 50 pf vaiable cap. After this 80m gets going will have to convert to 40m looks like just a few caps and crystal. I JUST CAN'T BELIEVE THAT NO PARTS FLIPPED OUT INTO CYBERSPACE, HECK I'VE LOST FULL GROWN RESISTORS IN MY CARPET. Don't know if I'll get this thing on the air tonite , if not next weekend. I blew my Sierra final xisitor last nite, tried to put in a MRF 237 OOPPs, too hasty,different emitter/collector pin out. so no Sierra in Seattle this week. I CAN'T BELIVE I'M BUILDING A SURFACE MOUNT AND A 6DQ6 TUBE XTMR , WITH A 2 LB PLATE XFORMER, AT THE SAME TIME. The Oner is on 40/30/20/15 now, see it soon on my (coming Soon)Web page. You'll see my projects and my aluminum growing in my back yard.
73/72 A1 K0FRP

Date: Sun, 8 Mar 1998 19:29:25 EST
From: SABorns <SABorns@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [5541] CQrp (Columbus, OH)
Message-ID: <2ecf3241.350337e7@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

We lack about \$140 from making the \$500 minimum for a club Ten Tec order. Surely some of you guys need a dummy load, a SWR bridge, or new QRP rig to play with. Let me know your desires.

PS. I have one of their little dummy loads (300w) and it's a nice little package and they are only \$24.00 - 10%. Heck I might even order another one for the bench.

73, Steve K8IDN

Date: Sun, 08 Mar 1998 19:28:39 -0500
From: sgordon1@ibm.net
To: 50mhz@qth.net
Cc: qrp-1@Lehigh.EDU
Subject: [5542] Loop Antenna's
Message-ID: <350337B7.2740@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey Gang,

Has anyone played with a Loop antenna for 50mhz? I have two antennas up in my attic since I am in a restricted area, one is a dipole for six meters the other is a Loop for 17 meters fed with twinlead (cheap twinlead) which I may need to change, fed at a corner in a rectangler config in a vert/horz fasion. It plays well on 17 & 12 even at qrp levels. I have used it recently on 6 meter fm mainly talking to locals that have been running verticals it seems to work well, but I get someone even 90 -100 miles away and if there horizonatal I have to use my dipole to pull them out.

The band on 6 has not been open to really give this configuration a true test, but I was wondering would I get better results with the loop in a complete horizontal config, or should I feed it in a different location in it's same config vert/horz?

Should I replace the cheap twinlead with some with some higerend stuff? I also want to say my power is 100 watts or less, run mainly qrp on 17 & 12 meters..

ANY ideas would be appreciated..

Scott - KQ8RP

73

Date: Sun, 8 Mar 1998 19:22:55 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@Lehigh.EDU>

Subject: [5543] N8VZU
Message-ID: <Pine.SOL.3.91.980308192110.22384A-1000000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hey gang!...Dan's on now 7.042+/-, good signal here at 0120Z...gud luck
- 72 - Bruce (VE5RC)

Date: Sun, 8 Mar 1998 19:59:35 -0500
From: William Keith Hibbert <wb2vuo@frontiernet.net>
To: qrp-l@Lehigh.EDU
Subject: [5544] Converting a Scout to an Argo?
Message-ID: <199803090059.TAA92948@node21.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings from the Depths of the Great Bergen Swamp in WNY.

I am picking up a Ten Tec Scout from the estate of a BARK member, Virgil, KF2XT, and am thinking of converting it to an Argo. From the book, it should be an easy job.

According to the prints, the Argo doesn't have the 50 watt PA module, and has 3 parts changes on the LLD board to set the SWR and ALC for the 5 watt level.

Has anyone actually done this? I know that I can re-set the power level, but that increases the total DC draw to over 3 Amps for 5 Watts, while the true Argo draws less than 1.8 Amps for the same.

Also, will Ten Tec sell a "replacement" Argo front panel to make the conversion complete?

Inquiring minds, and all that...

72/73, Keith, WB2VUO 100% QRP From the Great Bergen Swamp in WNY
ARRL Life Member, QRP-L #582, ScQRP #40, ARQRP #68
Trustee, NQ2RP/B 10 Mtr Milliwatting Beacon: 125 mW at 28.287 MHz
"My night light runs more power than my Rig!!!"

Date: Sun, 8 Mar 1998 20:49:12 -0500 (EST)
From: "Robert D. Haslach" <rhaslach@CapAccess.org>

To: qrp-1@Lehigh.EDU
Subject: [5545] PathCalc
Message-ID: <Pine.SUN.3.91-FP.980308204115.18494A-1000000@cap1.capaccess.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have downloaded version 0.73 (sic) of PATHCALC written by NW6H, Jon Adamsof AMPR. N700 Jack Taylor also has some comments in the file. I have emailed both of these fellow hams. As the application (which I highly recommend!) was written in 1989 in Turbobasic, I am starting to have my doubts about whether the app was ever completed.

If so, I would like to know where to get a complete copy with all the proposed features.

Pathcalc is very useful for determining the efficiency of point to point links in the frequency range above 144 MHz. Excellent for the microwave range. NW6H has worked out and planned for all of the contingencies in a neat little (34K) app that does just what you would want: distance between antennae (locations specified by D M S), taking into account antenna height, earth K, and receiver - xmitter characteristics, fresnel zone. and more.

Any ideas as to where I could get the final product?

Regards, N3FRT

Robert D. Haslach

ARK-40, Ten Tex Scout, SMiTe, 38-s etc --- and, soon, laser transceiver

Bye

Date: Sun, 8 Mar 1998 20:54:24 -0500
From: "Heron, George" <G.Heron@dialogic.com>
To: QRP-L <qrp-1@Lehigh.EDU>
Cc: zlau@arrl.org, njqrp@njqrp.org
Subject: [5546] re: NE-QRP meeting--get your miniature gear photographed!
Message-ID: <DF8C9288E968D011A5950060972035B102F21FFA@mailnj.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain

Wow, what a deal Zack! I'll gladly scan the pics and we can get them onto any number of websites.

Similar to previous years, a bunch of us Jersey QRPers will be coming up to the meeting at ARRL HQ next weekend ... we're all looking forward to it.

We'll also be bringing a couple of projects-in-progress with us -- a

breadboard of a PIC-based antenna analyzer that Joe Everhart N2CX and Clark Fishman WA2UNN and I are working on for FDIM, and an R2/T2 transceiver with an integrated DSP board for the audio phasing and CCW processing. Both are hot stuff!

See you there ... and hope we can get up into your lab! (hint hint :-)

72,

--George Heron, N2APB
g.heron@dialogic.com in Sparta, NJ

=====

From: Zack Lau <zlau@arrl.org>

As an incentive to get people to bring stuff to the NE QRP meeting March 15th @ ARRL HQ, I'll be playing photographer with a copystand, a decent lighting setup, Nikon FE2, and a 60mm macro lens. Bring a s.a.s.e. One free 4 x 6 inch picture per person bringing homebrew gear--Zack W1VT

BTW--any volunteers to scan the photos for WWW pages?

Date: Sun, 08 Mar 1998 17:12:41 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: n1list@netcom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5547] Re: NorCal Announcement
Message-ID: <350317D9.6645@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael L. Ardai wrote:

>
>
>
> Are we limited to 22 transtators or can I use a dilithium crystal?
>
> /mike

You'll have to do without the di-lithium crystal, Mr. Scott. Now Billy

Crystal is another matter, altogether.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

| | | | | |
|---------------|-----------|------------|----------|------------|
| 10-X #68364 | SCI #1479 | QRP-L #945 | ARS #203 | ARCI #9606 |
| C.A.T.T #2115 | FIST 2360 | NORCAL | ARRL | |

Date: Sun, 8 Mar 1998 20:59:04 EST
From: N9DD <N9DD@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5548] Rig advice needed
Message-ID: <4a07f61d.35034cea@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang

I have been in mourning this weekend. Friday night, I came home from work to find that the house had been filled with smoke. The kids thought it was the furnace and had a neighbor cut power to it.

It wasn't the furnace. It was my Kenwood TS520 - my main rig for the last 22 years.

The power transformer apparently shorted. An ugly yellow film covered the shelf it rested on. Drops of some brownish liquid had oozed out of it. It may as well have been blood. I fought hard to keep back the tears.

I bought the '520 a few months after I got my first real job. It has given me

countless thousands of hours of fun and education over the years. Other guys traded up for new rigs every few years. Not me. I liked my ol' Kenwood just fine. It's my Fox Hunting rig, the one I use in contests. It has been dragged to countless Field Days. Even though I've been thinking recently of getting a new rig, I still had expected it to serve as a fine piece of test equipment on my bench for years to come - ready to put into service again if a new main rig failed, but I guess it's time had come.

As much as I would like to run out and buy a new TS-570S, I really can't justify that kind of outlay of cash. I figure I can spend in the neighborhood of \$600 for a used rig. Maybe a bit more. Much more than that though and I'd rather save my money and buy a brand new rig.

So what rigs on the used market would fall into that price range? The rigs that come to mind are a TS-430 or 440, an ICOM IC-735, or perhaps a Yaesu FT-757GX. Am I miscalculating the going prices for used versions of these rigs? What else is out there that someone can recommend?

I work CW almost entirely. I enjoy contesting. Some of the features I'd really like to have are:

QSK CW

General Coverage Receive (down to 100 kHz would be great)

Ability to control the rig from the computer.

Dual VFOs

160 meters

It would have to have the WARC bands. I've been unable to work them (except for my home brew 30 Mtr rig) for too long.

So what kind of used, but great for CW rigs are out there in the \$500-\$700 range?

I know my QRP list friends can help me out.

73,

Tom N9DD

South Bend, IN

Date: Sun, 08 Mar 1998 20:56:47 EST

From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-l@Lehigh.EDU, sgordon1@ibm.net
Subject: [5549] Re: Loop Antenna's
Message-ID: <19980308.205621.10159.0.nq2rp@juno.com>

Hi Scott. Keith here in the Depths of the Great Bergen Swamp in WNY (FN13ac)

Consider a pair of loops for omni-directional, horizontally polarized coverage on 6 Meters.

Picture, if you will, a pair of Quad driven elements mounted at right angles, using the SAME vertical pole for support. Each one will show a feedpoint impedance of about 110 ohms. Now, if you could connect the two feedpoints together, with a 90-degree lag on one loop, you will have an omni-directional pattern, horizontal polarization, and a HUGE capture area compared to a Halo, Squalo(tm) or other omni 6Meter antennae.

I have built this style of double loop for 2 Meters and 10 Meters, and THEY WORK! BOY, DO THEY WORK! The 2 Meter one was installed at Lou, KA2DQA's QTH, and he found that the signals were just slightly down from a 4-element beam (an "S"-unit or so), but that he could work out like mad to about 150 miles (with 10 watts of SSB or CW), and work Au signals, too. I ran the 10 Meter version when I was stationed in SE Connecticut (US Navy), and it seemed to be equal to my 2-element Yagi, but omni-directional.

The secret for the phasing line? On 10 Meters I used RG-63, a 93-ohm coax and on 2 Meters I made a 100-ohm balanced line with a pair of 1/4-wave sections of RG-58. To make a 100-ohm line from 50-ohm coax, you connect the braids together and let them float. Use the center conductors as a parallel line.

The 50-ohm feed line, and the phasing line are connected to one of the loops, and the phasing line runs to the other loop. SWR on the 2 Meter version was under 1.5:1 over the whole band, and the 10 Meter version was under 2:1 from 28.0 - 29.3 MHz. I would expect that a 6 Meter version would cover 2 MHz without any problem.

I just got back on 6 Meters, and will have one of these up next weekend. See you on 6!

72/73, Keith, WB2VUO at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 8 Mar 1998 20:56:55 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [5550] mailing address...
Message-ID: <Pine.LNX.3.95.980308205605.21976A-1000000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

changed mailing address to the amateur address.
Makes it easier if I ever have to move again.
OK, 73

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
| <http://www.diaisdnet.net/user/cdlevin> |

Date: Mon, 9 Mar 1998 02:03:51 +0000
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [5551] Re: FOX LOG 03/04/98 FINAL, V 1.2
Message-ID: <19980309020349.AAB27949@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NOW MAKING SENSE OF SOME OF MY DISORDERLY TYPING & WRITTEN NOTES

72 =S=

>.....

>

>>

| >>TIME | CALL | SENT | RECD | ST | NAME | #/PWR |
|--------|----------|------|------|----|----------|-------|
| >>//// | //////// | //// | //// | // | //////// | //// |
| >>0300 | K10J | 559 | 559 | TX | OWEN | 732 |
| >>0302 | AA9L | 559 | 559 | WI | RICHARD | 1355 |
| >>0303 | WA9PWP | 559 | 569 | WI | PAUL | 127 |
| >>0306 | K50N | 559 | 559 | NM | GARY | 770 |
| >>0308 | W0CH | 549 | 559 | MO | DAVE | 618 |
| >>0309 | K1MG | 549 | 449 | CA | MIKE | 614 |
| >>0310 | KA5T | 549 | 449 | TX | LARRY | 89 |
| >>0311 | K5ZTY | 559 | 559 | TX | BILL | 473 |
| >>0313 | K0EVZ | 559 | 569 | MN | DOC | 861 |
| >>0314 | KU7Y | 449 | 559 | NV | RON | 17 |
| >>0315 | K5JHP | 549 | 339 | TX | BILL | 825 |
| >>0317 | AA0ZZ | 549 | 559 | MN | CRAIG | 1238 |
| >>0319 | NQ7X | 449 | 559 | AZ | FLOYD | 343 |
| >>0320 | N5JI | 449 | 449 | TX | DICK | 1054 |
| >>0322 | K5ID | 559 | 559 | AR | KEN | 652 |
| >>0324 | W5SB | 449 | 449 | TX | BILL | 1297 |
| >>0325 | AB7TT | 449 | 449 | AZ | JOE | 191 |
| >0327 | W0RW | 559 | 579 | CO | PAUL | 2W |
| >>0328 | AB5UA | 449 | 559 | OK | CLIF | 478 |
| >>0330 | K5UP | 339 | 559 | OK | GLEN | 21 |
| >>0332 | W5HNS | 449 | 549 | TX | HENRY | 178 |
| >>0333 | N4AN | 339 | 539 | NC | JOE | 3W |
| >>0336 | N0TU | 549 | 559 | CO | STEVE | 911 |
| >>0340 | WE6W | 539 | 529 | CA | ED | 1068 |
| >>0344 | VE5RC | 559 | 559 | SK | BRUCE | 886 |
| >>0348 | N7IR | 539 | 559 | AZ | GARY | 1330 |
| >>0351 | N1TP | 559 | 559 | FL | TOM | 1317 |
| >>0352 | WB0T | 539 | 339 | IA | JERRY | 1268 |
| >>0356 | W5FN | 559 | 559 | TX | TIM | 586 |
| >>0357 | WB0ATR | 539 | 559 | MN | SCOTT | 1455 |
| >>0358 | K5VUU | 559 | 559 | TX | ED | 1343 |
| >>0400 | W6SU | 549 | 559 | CA | JOHN | 48 |
| >>0406 | AB9IUA | 549 | 449 | IL | KEVIN | 384 |
| >>0407 | N6WG | 549 | 339 | CA | BOB | 26 |
| >>0411 | AB7TK | 559 | 339 | ID | RANDY | 102 |
| >>1412 | N7GS | 549 | 549 | MT | MAL | 215 |
| >>0414 | K2VCO | 339 | 229 | CA | VIC | 725 |
| >>0418 | AC5JH | 549 | 449 | LA | TOM | 1319 |
| >>0420 | K0SU | 339 | 229 | CO | RICK | 539 |
| >>0422 | K5FO | 339 | 559 | TX | CHUCK | 1 |
| >>0425 | AA5TA | 339 | 339 | TX | LARRY | 1245 |
| >>0430 | W6ZH | 339 | 549 | CA | PETE | 257 |
| >>0433 | K06KA | 229 | 229 | AZ | ROB | 176 |
| >>0436 | K4BES | 229 | 559 | CA | DAN | (?) |
| >>0441 | KI7MN | 339 | 229 | AZ | BOB | 271 |
| >>0448 | AC6LA | 229 | 559 | CA | DAN | 515 |


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>>0451    N7CQR    339      339      OR      DAN      502
>>0457    WB0T     559      559      IA      JERRY    0.5W
>>
>          TOTAL = 49
>>
>>Thank you all... see you TUESDAY nite (UTC) AT 0200 (UTC).
>>72 =S=
>>
>>
>>Seab Lyon, AA1MY, Bethel, CT, USA
>>FN-31-HJ; ARRL; QCWA; ACRI#9253;
>>QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
>>http://www.danbury.org/org/cara/
>>
>>
>>
>Seab Lyon, AA1MY, Bethel, CT, USA
>FN-31-HJ; ARRL; QCWA; ACRI#9253;
>QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
>http://www.danbury.org/org/cara/
>
>
>
Seab Lyon, AA1MY, Bethel, CT, USA
FN-31-HJ; ARRL; QCWA; ACRI#9253;
QRP-L#574; NEQRP#511; Pres., C.A.R.A.:
http://www.danbury.org/org/cara/

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Date: Sun, 08 Mar 1998 17:53:14 -0800
From: "Ronny G. Merkel" <rgmerkel@deltanet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5552] Ten-Tec 1340, Side Tone Thump?
Message-ID: <35034B8A.D378D848@deltanet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```

Hello All;

I've assembled a 1340, it's a 40m QRP rig to use, when I pass my code test. The receive and transmit seem to be basically working. The trouble happens when I un-key, I get a 1 1/2 to 2 cycle pulse that's about twice the amplitude of the side

tone. I have a scope
at home, and can see it at the output of the BFO. This pulse or thump
happens after
the transmit stops, and as the receiver turns back on. The home scope
(an Tektronix
545B) will only go down to 0.5 V/DIV, so I'm not sure if coming from the
IF or
the T-R switching. Not sure what I should be seeing...

My question is, any one seen this problem before, and if so what was the
cause and
what was the fix. If anyone can help I would sure be thankful.

I've got the windings on L8, 9 and 10 nice and close, the Tx output
looks good (on a dummy
load). It seems to happen as the receive turns back on (as Q20 turns
off). It would be nice
to know what the signals on a working unit looks like.

--

See Ya,
Ron Merkel, KF6NTM

(Grid Square: DM04xc)
(rgmerkel@deltanet.com)
(NAR# 68952)

Someone said:
"Keep an open mind - but not so open your brain falls out"

Date: Sun, 8 Mar 1998 21:13:15 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: N9DD <N9DD@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5553] Re: Rig advice needed
Message-ID: <Pine.LNX.3.95.980308211119.21976D-1000000@danial.dialisdh.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In regards to the ts-520. The brownish liquid was probably transformer oil. The power supply fried, so more than likely, it cut power to the rig right then and there. So, maybe it's saveable.

Don't bury it yet. You can probably get some degreaser and clean it up, and then maybe get another power supply. You should be able to fix it.

```
-----  
| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |  
| http://www.diaisd.net/user/cdlevin |  
-----
```

Date: Sun, 8 Mar 1998 21:20:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: Shepherd <Shepherd@aol.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [5554] Re: Fox ????
Message-ID: <199803082123_MC2-35F3-5E95@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Dan:

Man it was great to work you tonight! In fact *may* have gotten you twice -). Hope so...

At 0100Z setup was the Benson NN1G at 1.6 watts out to the HB dipole at 28' fed with 300-ohm window line. Thanks for the 559 RST. I gave you 549, but shortly after that (when Bruce was calling) you went to 559. Good signal.

At 0131 we hooked up again. Output was 140mw to the same antenna and tuner. Thanks for digging out my weak signal. Copied your info at 549, and got everything you sent. Wow do you ever have great ears! But QSB set in quick, and several guys were calling loud "QRL?" very close by, so not certain whether you QSLed.

Dan, thanks for an outstanding evening here! Hope you had a great time and many QSO's.

72/73,
--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 8 Mar 1998 21:39:20 EST
From: N10DL <N10DL@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [5555] FOX after all this time
Message-ID: <fcb18459.3503565a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, it took a while, but I finally got my second fox.
Finally after a few months of too many weekend and evening plans with the new wife, found myself home with a FOX planned.
Finished up some work and realized it was 8:30...I'm missing the fox...My wife still does not understand. Turned on the rig, tuned up and BAM...there he was...calling CQ. the band is very noisy but I can hear him. Give him a call and he comes right back to me. Got so excited that, after it was all over and I finished my dance, why does my wife always have to walk in at the wrong time..., I forgot to give Dan my QRP number. So Dan, if you read this, my number is 1326. I did lose you in the middle but I think you got it all.
Thanks, Dan for my #2 pelt. I really need to find more time to get on the air. I am looking forward to doing this again next season, and I will be looking for Chuck's post for when he is ready to sign up next season's FOXii. I would love to give it a try.

72&73
Aron Brown
Hooksett, NH
QRP_1#1326
FISTS#4110

Date: Sun, 8 Mar 1998 20:41:02 -0600
From: "Mark A. Andrews" <KE4IOF@HiWAAY.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [5556] Re: TechAmerica 20Mhz Protek Scope
Message-ID: <01bd4b04\$cd7e49c0\$619693d0@ke4iof.hiwaay.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I too want to thank Paul and the others that responded to my query.
Basically it came down to two camps. Those that thought that the Protek,
while limited, would be a good deal for the casual user and those that
thought for the same money, a good used HP or Techtronics with more features
and higher bandwidth could be had.

Mark

Mark A. Andrews, KE4IOF - Amateur Radio Operator
and Libertarian
"Whether You Think You Can Or You Can't,
You're Right!"

-----Original Message-----

From: Michael A Penzo <penzo@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Sunday, March 08, 1998 5:11 PM
Subject: Re: TechAmerica 20Mhz Protek Scope

>Paul,
>Thanks for the response to Mark and all of us in reference to the 20Mhz
>scope. I have been looking for a good scope for many years but never
>really knew exactly what to look for. I was hoping that someone would
>respond to the list with some good guidance.
>By the way, I just received your autographed book, "Data Book for
>Homebrewers and QRPers". It's a great source of specs on many devices
>without having to accumulate a stack of data books.
>73,
>Mike, KT4FJ
>Stafford, VA.
>
>
>
>
>Mark (and others),
>If it were up to us, we'd get a DC-1GHz full sampling digital
>oscilloscope
>that will save the display on disk in .TIF format or make a hardcopy on
>your printer. We have a couple of those at work and they ARE the
>cat's meow.

>
>BUT IN THE REAL WORLD (those QRPers without a \$30K scope budget), a
>dual-trace 20MHz scope for <\$300 is a very good buy, in my opinion. I
>haven't seen this scope, own stock in the company, etc. ... but any
>decent 20MHz scope will find years on use in most any QRPers shack.
>
>
>-----
>You don't need to buy Internet access to use free Internet e-mail.
>Get completely free e-mail from Juno at <http://www.juno.com>
>Or call Juno at (800) 654-JUNO [654-5866]
>
>
>

Date: Sun, 08 Mar 1998 20:50:15 -0600
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@Lehigh.EDU
Cc: kfglynn@prodigy.net
Subject: [5557] Re: Using Topo Maps for selecting QRP sites
Message-ID: <3.0.3.32.19980308205015.006978c4@molsun.ophth.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

kevin,

i'm not sure if this is answering your question, but here goes: the US Geological Survey (USGS, <http://www.usgs.gov>) publishes great maps covering the whole US. the 1:24,000 maps cover give a great amount of detail, but not much range - the one i'm looking at here covers about 6x8 miles (7.5 minutes). the 1:100,000 maps cover a much larger range, but obviously in much less detail.

check the telephone book government section for either the usgs or for a state geological survey office. the ones around here are sell over-the-counter, and the maps were \$4 each if i remember. in larger cities, there are map stores which i believe resell the usgs maps. i'd also check with a local soil conservation service or usda farm services agency (or whatever name they have now).

be aware that while topographical info doesn't change all that rapidly, building, road, bridge things do, and the maps aren't updated all that frequently - you could chose a great QRP operating site that now is in the middle of a highway. best bet is to use a combination of topo map, and a

recent transportation map.

i did play a while back with some of the online data, but it was real difficult to get the hang of it, and now i've forgotten all i've learned.

while i'm rambling - you can also purchase really cool aerial and satellite images (B/W, color) of most areas in the country. \$10 for the B/W.

did i ever mention that i really like antique maps and charts?

--adam, n2brt

```
=====
Adam B. Kanis, N2BRT      QTH: Wellman, IA (Near Iowa City) EN41ck
adam-kanis@uiowa.edu     QRP ARCI : NorCal : QRP-L: G-QRP : CQC
    Straight Key : OHR-100 40m : Carolina Beam oriented N/S
** On the Web at   http://genome33.ped-gen.uiowa.edu/hamradio **
=====
```

Date: Sun, 8 Mar 1998 22:15:32 EST
From: RangerSF5 <RangerSF5@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5558] FS SSB MFJ 20
Message-ID: <98f300b3.35035ed8@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For sale

The MFJ SSB 20 meter rig.10 watts cw and 12 watts PEP

Appx three weeks old.

I'm selling it so that I can pick up a 6 meter SSB rig

Price \$200.00 with 2-3 day mail

Bob

WA2HQQ

Date: Sun, 8 Mar 1998 22:13:55 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:BuckPD@corning.com" <BuckPD@corning.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [5559] FOX: N/T+ fox this Sunday - N0GLM
Message-ID: <199803082217_MC2-35F8-D5E9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Preston:

Well sorry condx were so bad tonight :-(. Never heard a *peep* out of you or the pack. Very noisy band, with the broadcasters louder than I can remember. Oh well. Hope you had a good evening, OM! Will be watching for your log.

72/73,

--Doc Lindsey/K0EVZ Rochester, MN--Home of the Mayo Clinic.
MWBC
519-16th Street SE
Rochester, MN 55904
507/289-5108 (eves)

Date: Sun, 8 Mar 1998 22:55:31 -0500
From: "Jerry Kitterman" <jerry@otherside.com>
To: <qrp-1@Lehigh.EDU>
Subject: [5560] Vibroplex for trade
Message-ID: <199803090354.WAA18906@jupiter.otherside.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

I have an original Vibroplex bug for trade only. It has the gray base and is in very good condition. Looking to trade for a 40 M qrp rig, built or un-built. Also may consider the JPS ANC-4 noise cancellor or a LDG auto tuner, preferably hi power model or a good iambic paddle but NO Bencher please. Tell me what you have. Thanks and please e-mail me direct.

72
Jerry
W9CTB

Date: Sun, 8 Mar 1998 19:32:04 -0900
From: Bruce Hopkins - KL7JAF <kl7jaf@polarnet.com>
To: qrp-1@Lehigh.EDU
Subject: [5561] Alaska State QSO Party Reminder...
Message-ID: <v03007800b1291e5ffa6e@[204.119.15.48]>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Just a reminder now that you have your calendars turned to March... Two weeks and counting... The Alaska State QSO Party sponsored by the South Central Amateur Radio Club will be held on the 21st and 22nd of March...

The Alaska QRP Club is sponsoring three special QRP awards in addition to the certificates available from SCARC... All Alaska based members of the Alaska QRP club have been emailed so we are hoping for a good turn out...

For complete details turn your browser to the Alaska QRP Club website... If you need details but are unable to surf the web just drop me an email and I will get the info to you via email...

Fingers crossed for good band conditions that weekend... Take care and have fun...

72 / 73 / oo's - Bruce - KL7JAF

"Alaska QRP Club" - Web Site: <http://www2.polarnet.com/~bhopskins/akqrp>

***** ALASKA QSO PARTY - MARCH 21ST & 22ND 1998 *****
See AKQRP Web Site for Details

Date: Sun, 8 Mar 1998 23:37:48 EST
From: Shepherd <Shepherd@aol.com>
To: 70511.3041@compuserve.com, qrp-1@Lehigh.EDU
Subject: [5562] Re: Fox ????
Message-ID: <d6bdcf4a.3503721e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Doc,

Man what a hunter, and yes I did get you the second time. You were just a tiny bit over the QRN, but you were there.

Thanks also for the tips you sent in your other post, I need all the help I can get. :-)

I finished up with 11 QSO's, not bad for a last minute post and a non-scheduled Fox.

72,73

Dan, N8VZU

QRP-L #1404

Date: Sun, 08 Mar 1998 23:46:14 -0500
From: Nancy Rabel Hall <kc4iyd@ix.netcom.com>
To: SABorns@aol.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [5563] Re: CQrp Meeting Saturday -- Great fun!
Message-ID: <3.0.32.19980308234558.00ba2598@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Steve and QRP-L,

At 10:26 PM 3/4/98 EST, SABorns wrote:

>Gang,

>

>The March meeting of CQrp will take place on March 7th at Universal Radio.
The

>meeting time is the usual 10:30 with lunch following at Ponderosa.

I attended the CQrp meeting (my first QRP club meeting) and really enjoyed meeting the guys from the Columbus QRP group. The OM (W8HF) and I had driven from Cleveland, OH and stayed with the in-laws Friday night (they live about 1.5 hours south of Columbus in a small town called McArthur, OH) and on Saturday morning drove up to Columbus for the meeting.

Steve K8IDN showed off his completed Knightlite SMiTE kit which he had installed in an altoids tin. I had brought along my unassembled kit so the guys got to see what the SMiTe looked like before and after it was completed. Steve's completed kit gave me some ideas on how to mount it but I think I will be putting mine in the celestial seasonings tea tin I bought. Actually, several months ago I bought 2 cartons of the celestial seasonings tea, just for the tin they had inside. (At the rate we drink tea, those 2 cartons should last us several years). There are 8 different types of tins and so far I have 3 of the 8 tins.

>Bring your latest project.

Other completed kits that were shown included an LDG tuner, one of the ten-tec kits and a Ramsey receiver (Steve, please correct me if I got these wrong). I also passed around my assembled but unpolished Norcal paddle kit so people could see what they looked like.

All in all it was a lot of fun and I met a lot of people. The OM had fun also and I think he's getting hooked on QRP too. After the 38S, rainbow tuner, Wilderness 20m SST kit, norcal paddle kit and Knightlite SMiTE I bought, he has since bought a 38S and we've ordered additional Knightlite SMiTE kits.

Well that is all for now. Steve, tell the gang there I had fun and although I don't think we'll be down every month, we will try to attend the meetings from time to time.

>Steve K8IDN

73/72 de kc4iyd/8
Nancy

QRP-L# 1316
FIST# 4533

Date: Sun, 8 Mar 1998 22:30:47 -0600
From: jerrydeen@juno.com (Gerald A Huldeen)
To: adam-kanis@uiowa.edu
Cc: qrp-l@Lehigh.EDU
Subject: [5564] Re: Using Topo Maps for selecting QRP sites
Message-ID: <19980308.225116.6534.0.Jerrydeen@juno.com>

Kevin-

I found this info at the library. As for the U.S. Gov't Geodetic Survey maps for the area you want. Costs nothing unless you photocopy the area. I found the heighth of my lot on it, so I am sure you can find about anything for heighth you want. Hope it works for you.

Jerry WB0T
Sioux City, IA

On Sun, 08 Mar 1998 20:50:15 -0600 "Adam B. Kanis" <adam-kanis@uiowa.edu> writes:

>kevin,

>

>i'm not sure if this is answering your question, but here goes: the US
>Geological Survey (USGS, <http://www.usgs.gov>) publishes great maps
>covering the whole US. the 1:24,000 maps cover give a great amount of
>detail, but not much range - the one i'm looking at here covers about
>6x8

>miles (7.5 minutes). the 1:100,000 maps cover a much larger range,
>but

>obviously in much less detail.

>

>check the telephone book government section for either the usgs or for
>a

>state geological survey office. the ones around here are sell
>over-the-counter, and the maps were \$4 each if i remember. in larger
>cities, there are map stores which i believe resell the usgs maps. i'd
>also

>check with a local soil conservation service or usda farm services
>agency

>(or whatever name they have now).

>

>be aware that while topographical info doesn't change all that

>rapidly,

>building, road, bridge things do, and the maps aren't updated all that
>frequently - you could chose a great QRP operating site that now is in
>the

>middle of a highway. best bet is to use a combination of topo map,
>and a

>recent transportation map.

>

>i did play a while back with some of the online data, but it was real
>difficult to get the hang of it, and now i've forgotten all i've
>learned.

>

>while i'm rambling - you can also purchase really cool aerial and
>satellite

>images (B/W, color) of most areas in the country. \$10 for the B/W.

>

>did i ever mention that i really like antique maps and charts?

>

>--adam, n2brt

>=====

>Adam B. Kanis, N2BRT QTH: Wellman, IA (Near Iowa City) EN41ck

>adam-kanis@uiowa.edu QRP ARCI : NorCal : QRP-L: G-QRP : CQC

>Straight Key : OHR-100 40m : Carolina Beam oriented N/S

>** On the Web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
>=====

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 09 Mar 1998 04:50:43 -0500
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-1@Lehigh.EDU
Subject: [5565] WRTH needed
Message-ID: <3.0.16.19980309045038.0aa7d48a@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Seems I have become an elmer again, this time for a young boy who is fascinated with shortwave listening. I'm showing him how to solder, in order to replace the filter caps in an old hallicrafters receiver.

This boy is one of a dying breed. He is totally awed by being able to receive BBC, and thinks that actually *transmitting* a signal is nothing less than some kind of black magic. A future qrp amateur to be sure. There are still a few of them out there.

What I'm in need of is an older (1997) WRTH book, so he can find his way around a little easier. If anyone on the list has one they would like to part with, please let me know.

Thanks...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - <http://www.qsl.net/ka8okh>

Date: Sun, 8 Mar 1998 23:59:07 EST
From: Shephed <Shephed@aol.com>
To: qrp-1@Lehigh.EDU

Subject: [5566] Fox night at the key.
Message-ID: <fcb1b7e8.3503771d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, what can I say, not a great night here in Ohio but I still had a blast.

First off the QRN was soo bad that I still can't hear right. There was some storms about 100 to 200 miles west of here and it was killing me.

Any way I did make 11 contacts, not bad for the late post and being a non-scheduled Fox. Made three new states QRP, Ohio, New York, and New Hampshire. I heard several "7" calls but between QRN, and QSB I just couldn't pull you out.

Doc was his usual showoff self by working me at 140mW, he said I have good ears, I think he has about 1000dB gain on his antenna. :-) Way to go Doc.

Although not official, I wish to thank all for showing up and I will QSL to each.

So here's the run down:

| Call | Time | Name | rec | snt | State | QRP-L# | |
|--------|------|-------|-----|-----|-------|--------|---------------------------|
| K0EVZ | 1:00 | Doc | 549 | 559 | Mn | 861 | |
| WA1QVM | 1:07 | Joel | 229 | 559 | Ma | 337 | |
| VE5RC | 1:13 | Bruce | | 229 | 449 | Can | 886 |
| KC1FB | 1:19 | Jim | | 589 | 579 | Ct | 29 |
| N10CJ | 1:24 | Pat | | 559 | 339 | Ct | 409 New contact for me. |
| K0EVZ | 1:30 | Doc | 549 | 339 | Mn | 861 | 140mW! |
| N10DL | 1:35 | Aron | 459 | 559 | Nh | 1326 | New contact for me. |
| W8IZZ | 1:45 | Don | 559 | 449 | Oh | 1454 | First Oh QRP for me. |
| WZ2T | 1:54 | Rick | 559 | 559 | Ny | 122 | New contact for me. |
| K1XS | 2:06 | Ken | 559 | 449 | Ct | 494 | New contact for me. |
| AA1MY | 2:28 | Seab | 449 | 339 | Ct | 574 | I dug you out of the QRN. |

Send any corrections my way guys, and thanks for the QSO's

72,73
Dan, N8VZU
QRP-L #1404

Date: Mon, 9 Mar 1998 00:10:07 EST

From: Shepherd <Shepherd@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5567] MFJ 1278
Message-ID: <9921c6d.350379b1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hey gang,

I'm in need of a good keyer/paddle, so I'm going to trade off my MFJ-1278b TNC, thought I would post it here first just in case anyone is interested.

It's in perfect condition. I have the manual, two cords, power supply, interface cable and original box. I don't have the MFJ software.

Would like to trade it for just about any keyer/paddle combo.
Please e-mail me direct.

72,73
Dan, N8VZU
QRP-L #1404

Date: Sun, 8 Mar 1998 23:01:24 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-l@Lehigh.EDU
Subject: [5568] SSB DX Contest QRP
Message-ID: <199803090601.XAA29304@smtp01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This was the weekend to work on your DXCC if you do SSB...Although propagation could have been better, there was plenty of DX to be had and it was great to see 10 meters open. Managed to get in about 17 hrs total and worked the usual gang of J's(54), LU's(31) even Asiatic Russians(11). Missed out completely on Sat prime time to the ScQRPion Meeting and shopping with the XYL and lost no sleep either. What time I had was all S&P and resulted in 58 different countries and 5 new ones for me...including two in Kazakhstan. Only heard one QRP..JA5GPJ @ 5W.

My power out 5W(TS850)TR-LOG/Pentium...3 el triband ant @ 45'.

| | Valid QSOs | Points | Countries |
|-------|------------|--------|-----------|
| 20SSB | 60 | 180 | 14 |
| 15SSB | 116 | 345 | 49 |
| 10SSB | 54 | 162 | 17 |

230

687

80

Final Score=54,960

This won't win any awards but it was fun...hope many others on the List participated and enjoyed it too.

72/73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343

ARRL AMSAT ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=124

Date: Sun, 8 Mar 1998 09:52:50 -0500
From: kb3bxv@juno.com (Raymond H Hamilton)
To: qrp-l@Lehigh.EDU
Subject: [5569] RE:Vibroplex bug
Message-ID: <19980308.095527.12390.1.kb3bxv@juno.com>

Jerry ;
How much for the bug as a straight purchase?
E-Mail kb3bxv@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 9 Mar 1998 17:34:42 +1100
From: "Glen Torr" <glentorr@ozemail.com.au>
To: "<Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [5570] W7EL Wattmeter - From the Horses Mouth
Message-ID: <199803090634.RAA08308@oznet07.ozemail.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi All,

Roy Lewallen, W7EL and designer of the Wattmeter under discussion kindly sent me the following info and OKed its circulation on the list.

"Type 77 or any 70-series ferrite will be OK for this application"

Thanks to Roy W7EL and John, K6QQ.

Cheers
72 Glen VK1FB

Date: Sun, 8 Mar 1998 20:29:16 -0800
From: "Wayne Barnhart" <wb7whi@triax.com>
To: <kd4zkw@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [5571] Re: Rig advice needed
Message-ID: <199803090702.XAA19685@smtp.triax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

The 520 is dual powered. AC looks dead but try the 12Vdc - maybe it will still make noise.

>
> Don't bury it yet. You can probably get some degreaser
> and clean it up, and then maybe get another power supply.
> You should be able to fix it.

Date: Mon, 9 Mar 1998 12:41:19 GMT
From: Rogerio Gonzaga <gonzaga@med.up.pt>
To: qrp-l@Lehigh.EDU
Cc: gqrp-l@blacksheep.org
Subject: [5572] ARRL SSB DX CONTEST
Message-ID: <199803091241.MAA07006@mail.med.up.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi, Gang,

Yes, once again I have entered an SSB contest with QRP power, this time the ARRL SSB DX Contest. Although I was running a full 4.5 to 5 watts, it was much more difficult than in the last CW ARRL contest, when I have used a maximum of 750 mW. I believe that Morse Code will survive more or less forever, not because we are some kind of fanatics about it, but on the basis of its own merits!

The 10 meters did not open to Europe when I have checked them, and the only stations I could hear were the South Americans running the contest. The 15 meters were beautiful, and they have been the backbone of my activity. The 20 meters were dull and noisy, most of the times. In the 40 meters I have found quite hard to work in split with only 5 watts... In the 80 meters I did not get a single QSO (but in the last CW contest, I could get a couple of them with 600 mW!).

As usually, my time was limited, but not the fun I had in running the contest. Last year I have won the Award of the best CT1 QRP station running the ARRL CW DX Contests, but it was a quite easy victory, I must confess that I have been the only CT1 to send a QRP log! I would not be surprised if this year I would repeat a so easy victory... Honestly, I would be very glad to loose, this would mean that the QRP activity was raising in this QRO country!

Here goes the summary sheet:

ARRL INTERNATIONAL DX CONTEST -- 1998

| | |
|--------------|-------------------------------|
| Call: CT1ETT | Country: Portugal |
| Mode: SSB | Category: Single Operator ORP |

| BAND | OSO | OSO PTS | STATES/PROV |
|------|-----|---------|-------------|
|------|-----|---------|-------------|

| | | | |
|-----|----|-----|----|
| 160 | 0 | 0 | 0 |
| 80 | 0 | 0 | 0 |
| 40 | 7 | 21 | 7 |
| 20 | 49 | 147 | 22 |
| 15 | 72 | 216 | 32 |
| 10 | 0 | 0 | 0 |

| | | | | | |
|--------|-----|-----|----|---|--------|
| Totals | 128 | 384 | 61 | = | 23,424 |
|--------|-----|-----|----|---|--------|

Equipment Description:

Index Labs QRP Plus MkII, antennas TH6 (for the 15 and 20 meters contacts) and 2BDQ trapped dipole (for the 40 meters contacts). Power set down well under five watts in all bands.

And that is all folks, I hope that some of you have been there

having fun.

Best 72/73 de Roger, CT1ETT

Date: Mon, 09 Mar 1998 07:52:13 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: wb7whi@triax.com, Wayne Barnhart <wb7whi@triax.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5573] Re: Rig advice needed
Message-ID: <3504102C.4BD78767@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne Barnhart wrote:

> The 520 is dual powered. AC looks dead but try the 12Vdc - maybe it will
> still make noise.

I believe the 12 vdc pack is an add-on option. I have a 520 which does not have the 12vdc. Don't bury it, though. If it can't be repaired, someone (maybe me) might want it for spare parts. Let me know if you want to explore that option.

72,
Lyn, W4WDN

Date: Mon, 09 Mar 1998 08:04:16 -0800
From: LYN WILLIAMS <designserv@ipass.net>
To: ka8okh@som-uky.campus.mci.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5574] Re: WRTH needed
Message-ID: <35041300.85DEE49B@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Rich Dailey, KA8OKH wrote: .

> This boy is one of a dying breed. He is totally awed by being able to
> receive BBC, and thinks that actually *transmitting* a signal is nothing
> less than some kind of black magic. A future qrp amateur to be sure.
> There are still a few of them out there.

He sure reminds me of someone I used to know, back when I strained to hear those mysterious god-like beings who could talk from around the world and come into our home through a little wooden box with a BC band and a mysterious "SW" band. The entire 80 meter band, I later determined, occupied less than the width of the dial pointer. Them were the days.

He's the kind I would give any of my books to, if I had one he could benefit from.

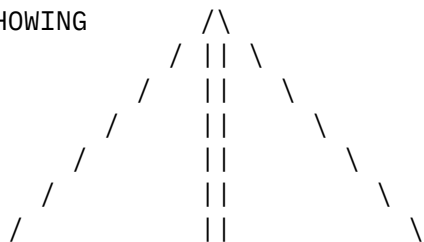
Carry on the good work!

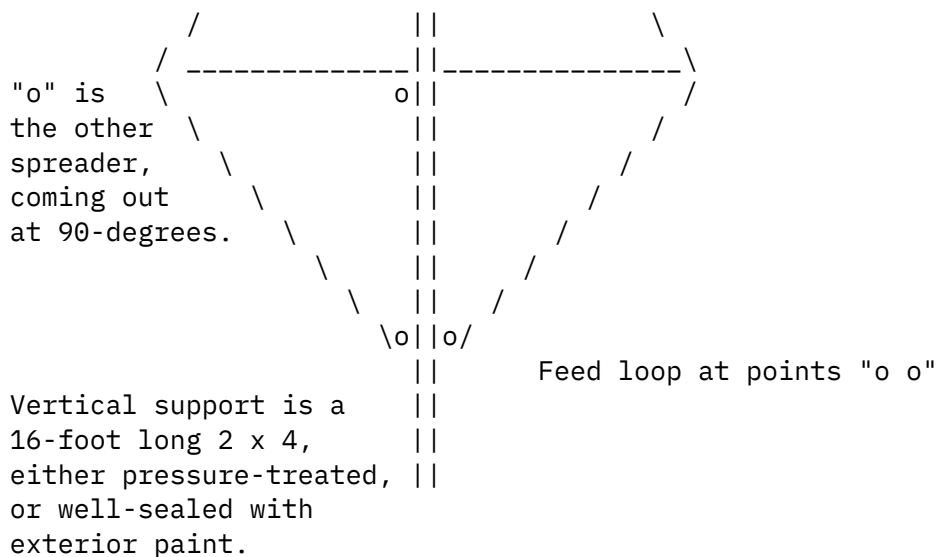
Lyn, W4WDN

Date: Mon, 09 Mar 1998 08:20:53 EST
From: nq2rp@juno.com (B/BAMS Club Station)
To: qrp-1@Lehigh.EDU
Subject: [5575] Dual Loop, and drawings (of sorts)
Message-ID: <19980309.081922.4767.0.nq2rp@juno.com>

Here's a bit more info on the Dual Loop, with ASCII drawings of the loops and 1/4-wave phasing line.

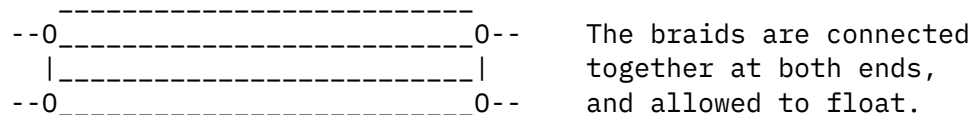
SIDE VIEW, SHOWING
ONE LOOP





Cross-arms are 3/4-inch CPVC water pipe, crossed in the middle, and reinforced with hardwood dowel stock (inside the pipe) at the mounting points.

The 100-ohm balanced phasing line looks sort of like this:



Each piece of coax (RG-58/U) is cut to an electrical quarter-wave long. For solid dielectric cable ($V_f = 0.66$), this would be (in feet) $156/F(\text{MHz})$. For foam dielectric cable ($V_f = 0.80$), this would be $167/F(\text{MHz})$. The lengths can be verified with a GDO or any of the antenna analyzers on the market. Velocity factor will vary in coax, so cut the sections from the same batch of cable for uniformity. Only the center conductors are used for the feed. The braids are connected together, and allowed to float. Wrap the assembly with tape, or slide it inside a length of plastic tube to keep them nested together.

The balanced line section runs between the two loops, basically connecting them in parallel, but with a 90-degree delay in one of the loops. As the RF arrives from the coax, the first loop gets fed, then 1/4-cycle later the second loop is fed, then 1/4 cycle later the first, and so on. This is the same method used to feed a turnstile antenna for omni-

directive coverage.

A simpler feed method would be a 1/4-wave line of 100-ohm coax. Seeing that this is not available, RG-63/U, a 93-ohm cable can be used with only a slight mismatch. I did this on my 10 Meter loops in 1-Land back in the late 70's and it worked just fine. RG-63 is used in telecommunications and data communications where a low distributed capacitance is needed, and is a very thin center conductor inside a hollow tube, then covered with braid. The center conductor is held in place with a spiralled wrap made of what looks like fishline. The adapters for RG-59 can be used with this cable, but controlling heat is very important when soldering. There is a foam-dielectric version, but I have never worked with it.

I made a couple of the 2 Meter versions, one with diamond-shaped loops and one with self-supporting round loops. A commercial version of the Dual Loops is sold as the Eggbeater, and is sold by M2 Antennas. It was reviewed in QST about 5 years ago, and is based on a design popularized on the Left Coast for 2 Meter SSB mobiles back in the 60's and 70's. There were a couple of ops in San Diego running them when I was in school out there in 1971 and 1975 (US Navy)

This is a single-band loop as the 1/4-wave lines are cut for the band of choice. For something like 6 or 2 Meters, this isn't a problem, and maybe 10 Meters, too, but it would be rough to put up a bunch of these for 80 - 10 Meters. It could be done, but one would need a lot of room!

72/73, Keith, WB2VUO at the keys at B/BAMS
N02RP - QRP-L # 1294, Byron/Bergen Amateur Club Station
Listen for our 10 Mtr Milliwatt Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 9 Mar 1998 07:53:24 -0600

From: Tom Moll <tomm@xata.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [5576] Re: NORCAL Announcement
Message-ID: <01BD4B30.71356500@TOMM>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

>> > > a transwarp conduit proactive hypercontextualized =
quadraphasic
>> > >postmodernist intervention therapy intertextual organizational =
database
>> > >permutative tetrahedral ex post facto recursive autoindexing
>> > >communicative interface negotiating link feed device.
>>
>> Are we limited to 22 transtators or can I use a dilithium crystal?
>>
>> /mike

> If the dilithium crystal does work, is it available for 3686.4 (KLN)
>and would the transwarp let me rubber it to 3540?

My experience indicates that dilithium is very difficult to rubber, =
however, if you can acquire a small amount of flubber (approximately =
3.9838752 picoCurries should do), this will provide whole band coverage =
from a single dilithium crystal. Band switching is another matter , =
however. If you need a connection schematic..... well, everyone on this =
list is so smart, you shouldn't have to ask.

Tom Moll, NoBS

P.S. Does anyone else wonder why the grammar and spelling police are =
always silent after Nils posts something? Are these real words?

Date: Mon, 9 Mar 1998 09:08:03 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [5577] SM part suppliers
Message-ID: <199803091419.JAA09155@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang,

Surface mount components can be obtained from:

Digi-Key (\$5 handling on orders less than \$25, plus shipping)
1-800-344-4539
www.digikey.com

Mouser (no minimum, 10% of order maximum shipping)
1-800-346-6873
www.mouser.com

Tech America (no minimum, \$4 shipping)
1-800-877-0072

Electromic Goldmine (no minimum, \$5 shipping up to 2 lbs)
1-800-445-0697

The small capacitors used on the KnightSMiTe are the .0805 size. The inductors are the .1008 size. Resistors are also .0805, except for the 0 ohm jumper which is .1206. The small transistor is in an SOT-23 case and the large is in an SOT-89 case.

Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not necessarily. -- Benny Hill

Date: Mon, 09 Mar 1998 09:30:25 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [5578] Re: SSB DX Contest QRP
Message-ID: <3503FD01.5DD1@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Conditions seemed better Saturday--better MUF and stronger signals on 10/15. NP3BA was the only QRP'er in the log.

Almost missed 6V1--wait, that's not another North American... Zack W1VT

Date: Mon, 9 Mar 98 08:07:17 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU

Subject: [5579] [v31xe@dzn.com: re:wrth]
Message-ID: <9803091507.AA09730@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzn.com ("William R. Colbert")
To: ka8okh@som-uky.campus.mci.net
Subject: re:wrth
Date: Mon, 09 Mar

Rich, if you are not able to find an older WRTH (sorry - I don't have one) a possible solution is for you or your young friend to go to the local book store and have a look at the magazine rack for Popular Communications or Monitoring Times - both have SWBC info with the Monitoring Times having a substantial time/frequency/programming section.

There are also a number of web pages, pertaining to this. I can pass along the urls if interested.

73 Ray

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
Scotsman's Diary - 1997

Ray Colbert, W5XE,
00TC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas (Far West Texas)

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Mon, 09 Mar 1998 15:55:23 -0800
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-l@Lehigh.EDU
Subject: [5580] ARRL DX SSB and the happy dance (almost!)

Message-ID: <3504816B.1D52@bicc00.bi.ehu.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, folks,

I squeezed four hours to run 15 meters on the the Arrl DX SSB test with my trusty Argonaut and a 5 meter vertical. I had to repeat many times 59002... and: "NO, it's not a serial number, it's the power..."

Receiver overloaded with the big guns from the East Coast: K1AR, W3LPL.., 49 good Q's and 19 states/provinces. I did manage to work KG0ZI in Colorado and got a reply from K06N in California, but didn't finish. The happy dance will be for next time.

And by 1700Z the log was already uploaded on ARRL's machine!

I tell you, it was a quick contest!

Be well.

jon, ea2sn

--

Jon Iza / ea2sn (a real qrp'er!) -since 1978-

** One's needs are proportional to the square of his/her incompetence **

Date: Mon, 9 Mar 1998 10:55:42 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: William R Colbert <af852@rgfn.epcc.Edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5581] Re: [v31xe@dzn.com: re:wrth]
Message-ID: <Pine.LNX.3.95.980309105433.22019B-100000@dania.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 9 Mar 1998, William R Colbert wrote:

> Rich, if you are not able to find an older WRTH (sorry - I don't have
> one) a possible solution is for you or your young friend to go to the
> local book store and have a look at the magazine rack for Popular
> Communications or Monitoring Times - both have SWBC info with the
> Monitoring Times having a substantial time/frequency/programming
> section.

There is also Passport to World Band Radio. It has a pretty comprehensive list of shortwave broadcasting, and can be found at most ham stores.

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
| http://www.diaisdn.net/user/cdlevin |

Date: Mon, 09 Mar 1998 10:10:40 -0600
From: John Burnley <JBurnley@ifmc.org>
To: qrp-1@Lehigh.EDU
Subject: [5582] KnightLites ,Sunday storm, and goodies (long)
Message-ID: <s503c032.086@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Greetings to all=21 I had the opportunity to visit the Raleigh/Durham =
area last
week (on business). One of the highlights of the trip was meeting some
of the KnightLites. We gathered at Two Guys Pizza in Raleigh last
Thursday night and it was a blast=21 A special thanks to Dave (WA4NID),=20=

Gary (N3GO), and JP (AB4PP) for a very enjoyable visit. They brought=20
several rigs for =22show and tell=27 and had plenty of great stories. =
Gary had
brought a SMite kit and graciously let me con him into selling it (and yes
Gary, I am working on getting 80 mtr capability).
Enthusiasm is not a problem for this great group of QRP=27ers and again
my thanks to them=21

After returning to Iowa Friday night, it was on the road again to the SE
corner of the state (FT. Madison) for a commitment with the older son.
We returned about 1:15am Sunday, meeting the leading edge of the=20
biggest storm for this winter. The snow started coming down at about=20
1:00ish and down it came. When I got up Sunday morning, it was clear=20
that we had just had a major thumping from ol=27 Ma Nature. Fortunately,=
=20
here in Iowa we have natural snow fences called driveways which=20
accumulate (naturally attract) all the drifts. I think my biggest drift =
was=20
about 3 =BD ft deep. Not too bad (they had ten foot drifts out in the=20
country). =20

After several hours of clearing snow (only to have it drift back
later) my back was letting me know it was time to quit. Even with a =
snow=20
blower it=27s hard work. So into the house I go. The XYL casually =
mentions,
=22Oh by the way this box came for you last week=22. My goodies from =

Well,after reading a few replies I figured I would
be "ok" interjecting my opinion...
Is NilsBul Don King in reality?

>> > > a transwarp conduit proactive hypercontextualized
quadraphasic
>> > >postmodernist intervention therapy intertextual organizational
database
>> > >permutative tetrahedral ex post facto recursive autoindexing
>> > >communicative interface negotiating link feed device.

Sounds familiar doesn't it?

73 de john

n9ukx

(PS... Still Available,,, One Six Pack of JOLT cola for the
first contact on my virgin 49er! Offer also goes for my marginal
operating 38 special! However,at least the Norcal Key worked!
((No electrical components?)))

Date: Mon, 09 Mar 1998 10:35:38 -0600
From: John Burnley <JBurnley@ifmc.org>
To: QRP-L@Lehigh.EDU
Subject: [5584] KnightLites, Storms, and goodies (long)
Message-ID: <s503c60e.091@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Greetings to all=21 I had the opportunity to visit the Raleigh/Durham =
area last
week (on business). One of the highlights of the trip was meeting some
of the KnightLites. We gathered at Two Guys Pizza in Raleigh last
Thursday night and it was a blast=21 A special thanks to Dave (WA4NID),=20=

Gary (N3GO), and JP (AB4PP) for a very enjoyable visit. They brought=20
several rigs for =22show and tell=27 and had plenty of great stories. =
Gary had
brought a SMite kit and graciously let me con him into selling it (and yes
Gary, I am working on getting 80 mtr capability).
Enthusiasm is not a problem for this great group of QRP=27ers and again
my thanks to them=21

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=
=

=20

Date: Mon, 9 Mar 1998 08:34:38 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: ukii <ukii@megsinet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5585] Re: NORCAL Announcement
Message-ID: <Pine.SUN.3.90.980309083226.20244C-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Nils, Don King....etc....

Now I know what Nils does for a living!! It has nothing
to do with reality.

HE WRITES CLINTON'S SPEECH'S!!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 9 Mar 1998 11:34:18 EST
From: DENNIS MO <DENNISMO@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [5586] FT-990 Help
Message-ID: <b40b65a4.35041a0f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All -

I remember back a few weeks ago there were some ramblings here abouts regarding the Yaesu 990. I believed it was about whether it could run QRP or not. Well of course I didn't pay much attention to that thread 'cause I had no intention of getting one.... didn't even know anyone who had one. Well, one has come into my life - sort of. I have an opportunity to buy it (FT-990AC) with SSB -2.4k & CW 500 filters.

What was the consensus - Yae or Nay on QRP? Does anyone have any idea how much this rig is valued at - it is like brand new - not a scratch and no modifications. It comes with original box and the MD?-100 desktop Mic. - of course I wouldn't be using that thing... hi hi. The 990 is only 14 months old but the fellow selling it is getting rid of all his HF rigs. He also has a Kenwood TS-50 all-band mobile rig for sale - it is even newer than the 990. Any ideas what this rig is worth and can it be made to run QRP?

Thanks in advance ...

72's de Denny KF6NJQ

Date: Mon, 9 Mar 1998 10:32:34 -0600
From: "aa0qx" <aa0qx@prodigy.net>
To: "QRP List" <qrp-l@Lehigh.EDU>, <njqrp@NJQRP.ORG>
Subject: [5587] Re: KnightSMiTe
Message-ID: <01bd4b78\$f7420660\$431dedcc@austin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I built the KnightSMiTe / Pixie II transceiver over the weekend.
Problems -- All I hear on receive is a series of clicks, almost slow enough to count. When I transmit, I hear the same clicks, but no real CW tone -- The dots and dashes are not distinguished.

I have not started to troubleshoot. Any ideas?

Thanks.

72 de Austin NE50

Date: Mon, 09 Mar 1998 10:41:40 -0600

From: Mike - W0TMW <crucis@sky.net>
To: Shepherd@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5588] Re: MFJ 1278
Message-ID: <35041BC4.4F993C41@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The MFJ-1278 has a keyer built into it! At least mine does. Do you mean you just want a paddle?

Mike - W0TMW

Shepherd wrote:

>
> Hey gang,
>
> I'm in need of a good keyer/paddle, so I'm going to trade off my MFJ-1278b
> TNC, thought I would post it here first just in case anyone is interested.
>
> It's in perfect condition. I have the manual, two cords, power supply,
> interface cable and original box. I don't have the MFJ software.
>
> Would like to trade it for just about any keyer/paddle combo.
> Please e-mail me direct.
>
> 72,73
> Dan, N8VZU
> QRP-L #1404

--

```
=====
Mike Watson, W0TMW          QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA     Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis  E-mail: crucis@sky.net
=====
```

Date: Mon, 09 Mar 1998 17:07:42 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5589] WE6W: LOST EMAIL/Webpage back up.
Message-ID: <350421DE.3D88@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Folks. Everything and anything associated with the WE6W webpage at qsl.net was lost sometime Friday or Saturday Night.

I have rebuilt my web page and that was easy, about 5 minutes.

But all my email from Friday Night after 0000Z and on is lost.

And any email coming doesn't go anywhere or become available to me yet.

So please, if you sent me any email after 0000Z on Friday (4 PM CA time), I didn't get it and please re-send after I post that email is working again.

Thankyou very much.

In the meantime, your email can reach me from
mailto:ooringer@geocities.com

Yes, I play professional horseshoes. 'oo' means double ringer.

72,Ed

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 9 Mar 1998 12:31:35 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Monte Stark <ku7y@sage.dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5590] Re: NORCAL Announcement
Message-ID: <Pine.GS0.3.96.980309123030.10083F-100000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 9 Mar 1998, Monte Stark wrote:

> Nils, Don King....etc....

>

> Now I know what Nils does for a living!! It has nothing
> to do with reality.

>

> HE WRITES CLINTON'S SPEECH'S!!

Actually, he retired to a nice quiet campus after Agnew went to jail for saying "pusilanimous pussyfooter" too many times.

-73-

LB, W4RNL

Date: Mon, 09 Mar 1998 17:31:55 +0000
From: Ed Loranger <we6w@qsl.net>
To: clofgren@benson.mckenna.edu
Cc: qrp-l@Lehigh.EDU
Subject: [5591] RE:W3EDP antenna--an analysis
Message-ID: <3504278B.B91@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Charlie, w6jjz has provided significant insight to the W3EDP antenna and I wish to thank you for the excellent post!

Any mystery that once surrounded this antenna has been completely resolved for me.

Thankyou Very much!

-Ed Loranger, we6w <mailto:ooringer@geocities.com> until my account at qsl.net is fixed.

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 09 Mar 1998 12:40:08 -0500 (EST)
From: n4js@pobox.com
To: klqrp@waterw.com, qrp-l@Lehigh.EDU
Subject: [5592] SMiTe LIVES!
Message-ID: <XFMail.980309124008.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit

MIME-Version: 1.0

I built my second SMiTe last night. This one worked right away. Maybe TOO well. With a 9v battery I get 210mw out...just about right. With a 12v gel-cel, I get 700mw out! I would be afraid to run it this way, with that teenie little output transistor.

Sent at 12:40:08 on 09-Mar-98

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Mon, 9 Mar 1998 12:39:19 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qth.net, QRP-L List <qrp-l@Lehigh.EDU>, gqrp-l@blacksheep.org
Subject: [5593] Staggered Yagis--an update
Message-ID: <Pine.GS0.3.96.980309123307.10083G-1000000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In my web site notes on staggered Yagis, I looked at monotapered 3-el 20/15 meter Yagis and at versions with tapered elements. The required adjustments were not identical. At the time I only had time to look at monotapered 4-el 20/15 Yagis.

Just recently, I had a chance to look at a dual 4-el combo for another ham, so I added the notes on these beams (and descriptions) to the notebook entry on line. Tapered-diameter elements do make a difference in what happens and hence on their relative placement. But you can get the two onto a 40' boom, which is a lot easier to move around in a model than in real life.

Hope the new additions are useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off) (423) 974-7215
1434 High Mesa Drive / \/ \/ ----/\---- (Hm) (423) 938-6335

Knoxville, Tennessee /\ \ \ \ / / || / (FAX) (423) 974-3509
37938-4443 USA / \ \ \ \ || cebik@utk.edu
URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

Date: Mon, 09 Mar 1998 10:51:13 -0700
From: Ken Knecht <kenk@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [5594] Weird Tick 2B problem
Message-ID: <3.0.5.32.19980309105113.007c52e0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This may be a off-topic, but I intend to use the keyer for QRP operation.<g>

I built the Tick 2B SM kit and it worked fine - except I could barely hear the piezo transducer. So on the advice of Embedded Research I replaced it with a cap and speaker - in my case I used a 29mm Radio Shack 8 ohm speaker and a 10 ufd non-polarized electrolytic. Now when I press the pushbutton I hear the control "menu" loud and clear and can set functions. But when I try to use it as a keyer I can only hear the sidetone with the speaker right next to my ear. Sidetone 'on' is the turn-on default but I also tried turning sidetone on using the "A" menu choice - no help. I'm thinking maybe the sidetone is somehow turned off and for some reason interrupting power and the function menu are not turning it on? With the piezo the menu and keyer sidetone were equal in volume, but too low to be useful for me. FWIW, the keyer keys the rig just fine. But I want to practice using it before I put it on the air. (The keyer circuit won't key my ancient Ameco code practice oscillator.)

Any suggestions? I asked Embedded Research but they can't reproduce the problem and so can't help me. I have thought of a few kludge work-arounds but nothing that satisfies me. Like maybe key a reed relay and the CP0 or rig with the relay. Ugh!
Ken

Date: Mon, 09 Mar 1998 12:28:21 -0600
From: John Burnley <JBurnley@ifmc.org>
To: qrp-1@Lehigh.EDU

Subject: [5595] Sorry for the dup posting!
Message-ID: <s503e07a.000@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Sorry about the duplicate posting on the list. The first one came back with a bounce type message so I resent it. My apologies to the group!

Date: Mon, 09 Mar 1998 18:28:27 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5596] WE6W: EMAIL Working again for me.
Message-ID: <350434CB.5B7F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My mailto:we6w@qsl.net account is up and running.

If any of you sent me email since Friday, after 5:00 PM, I didn't get it. Lost. Bit bucket.....

Sri for the bandwidth.

OBQRP: An 89 year old returning Ham, Carmen, W6RC has been active recently on 7038 KHz. I caught her on the air yesterday and was able to put in a plug for QRP after she sent her '88' to me.

She can't hear well but uses a CW decoder and she reads the text on her computer.

I hope the papers on QRP-l, Norcal, and the QRP freq. list as well as my personal review of the exciting activities we've all enjoyed over the last year will enrich us all. Hopefully she can get internet or email access soon and join in on qrp-l too! How do you spell FREE? J-U-N-O. That might help her. I have the nr#'s

72 Ed WE6W

--

72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 9 Mar 1998 12:33:43 -0600
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: mwattcpa@earthlink.net
Cc: QRP-L list <QRP-L@Lehigh.EDU>
Subject: [5597] Re: DCTU antenna
Message-ID: <351A2DFAE256D111883A0060B06B1662430FE2@s-il02-j.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Marty:

I have the same articles regarding this antenna. I have been intending to tinker with it myself. Bob, W03B, showed one at our NorCal meeting a while back, and it seems to work for him.

My impression is that a larger loop would be desireable, but maybe only a bit larger. There is a limit you should stay within, but I'm not sure just what it is. It may be in the articles.

Regarding 50 ohm coax feed, yes, it can be done. The hairpin section will be shorter to show 50 ohms at the feedpoint. Then use a 1:1 current balun to isolate your coax feedline from the loop and maintain its balance.

You can make a simple 1:1 balun by taking the ferrite bar that little AM BC radios use for an antenna. Put a pair of them together to make an almost square cross section. Put around 10-12 turns of #18-#20 enameled wire, bifilar wound (two wires in parallel) around this square "rod". At one end you have parallel output for connection to the loop. At the other end, connect your coax and you are ready to go.

I suggest a coax connector at the end of the balun, so you can insert a test instrument--swr bridge, Autek RF-1, MFJ analyzer, whatever you can lay your hands on. If you can measure right at the feed point without a run of coax between the feedpoint and the test instrument, the tuneup procedure will be easier.

If you give this a try, please post your experiences.

72, Bob N6WG

Date: Mon, 9 Mar 1998 12:57:14 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>, <PGSPersEng@aol.com>
Subject: [5598] Re: Knitesmite low output power?
Message-ID: <199803091855.NAA32123@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Paul,

Congratulations on a fine assembly job! The worst part is deciding to do it. The more I worked with the SM stuff, the better I liked it.

Your power output is just fine. It does range from a low of about 110mW to a high of 250mW or so. I think someone reported 300mW using 13.8 volts, maybe.

Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

> Well, couldn't wait to try my hand at surface-mount devices, so last night I
> put together KniteSmite #196. SMDs weren't nearly so bad as I had expected.
> Just put on my wife's granny magnifyer glasses and it went together pretty
> smoothly.
>
> Today I wired up all the off-board parts and attached a dummy load. Using my
> brand-new 85RF probe from Radar Inc (thanks, again, for the tip!), I measured
> the voltage across the terminals as 2.82V, leading to power output of 160 mW.
> Now, the unit is supposed to generate 250-300 mW. Is this much difference to
> be expected? Can transistor variances be so wide? Or is there something else I
> can look for?
>
> Thanks,
> Paul, AA1MI

Date: Mon, 9 Mar 1998 14:07:41 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@Lehigh.EDU
Subject: [5599] Elmer 101-equipment
Message-ID: <50862.owen@piper.eeel.nist.gov>

Several have asked in the last couple of weeks which DMM to purchase. The all time best bargain may have been announced in the March Nuts & Bolts Magazine. Tech America 1-800-877-0072 has the Fluke 73 DMM on sale for \$49.95 you must supply special code 28003 to get this deal. Hope this helps some of you.

72/73 Jim K4CGY qrp-l #72

Date: Mon, 09 Mar 1998 19:26:30 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5600] BK O-scope information?
Message-ID: <35044266.1963@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My work buddy gave me an old B&K precision oscilloscope this last Saturday. (That explains my limited air time this weekend :)

I think it is model 1460 and is a 5 MHz scope. (hey that's better than NO-Scope!)

Anyway, does anyone know where I can get a manual on-line or some info so I can go through the calibration?

Also the CRT is dim, but I've left it turned on these last 24 hrs and it seems a bit brighter. Will the brightness improve if I leave it on? The CRT looks great and has no permanent trace burns so I hope it will get brighter.

Is there a B&K web page?
72 to all /Ed we6w

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (Enjoying Ham Radio every day.)

Date: Mon, 09 Mar 1998 13:26:35 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: owen@piper.eeel.nist.gov
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5601] Re: Elmer 101-equipment
Message-ID: <3504426B.D05FD16E@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

James C. Owen, III wrote:

>
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> \$49.95 you must supply special code 28003 to get this deal. Hope this helps
> some of you.
> 72/73 Jim K4CGY qrp-1 #72

They also have the Fluke 76 DMM on sale for \$96.50 (half price). I
ordered one on Friday. If anyone wants the special code, let me know and
I will look it up.

73 de Dave, N0IT

Date: Mon, 9 Mar 1998 11:48:54 -0600
From: mahlon.r.haunschild@ac.com
To: designserv@ipass.net (lyn williams)
Cc: qrp-1@Lehigh.EDU ("low power amateur radio discussion")
Subject: [5602] Re: Rig advice needed
Message-ID: <862565C2.0061A55F.00@aamta.compuserve.net>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

The TS-520 DC supply uses the internal power transformer as well. The DC
"supply" is actually not much more than a couple of inverter transistors
and their heat sink. It still needs the transformer to generate the
various voltages for heater, bias, B+ PA HV, etc.

My advice is to try to scrounge up a replacement transformer.

regards,

Mahlon - N4EEE

designserv @ ipass.net (LYN WILLIAMS) (Mailed by: designserv @ ipass.net
(LYN WILLIAMS) @ internet)
03/09/98 07:52 AM EST

To: qrp-l@lehigh.edu ("low power amateur radio discussion") @ internet
cc: (bcc: Mahlon R. Haunschild)
Subject: Re: Rig advice needed

Wayne Barnhart wrote:

> The 520 is dual powered. AC looks dead but try the 12Vdc - maybe it will
> still make noise.

I believe the 12 vdc pack is an add-on option. I have a 520 which does
not have the 12vdc. Don't bury it, though. If it can't be repaired,
someone

(maybe me) might want it for spare parts Let me know if you want to
explore that option.

72,

Lyn, W4WDN

Date: Mon, 9 Mar 1998 14:31:34 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [5603] 10 M qrp ssb
Message-ID: <Pine.LNX.3.95.980309142951.22900B-100000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Worked ka7yao from Helena Montana to
Dania Fl on 3 watts from him, and
unknown power from rci-2950 with power
all the way down. Freq was 28.350.

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
| http://www.dialisdn.net/user/cdlevin |

Date: Mon, 09 Mar 1998 14:08:33 -0600
From: Mike - W0TMW <crucis@sky.net>
To: mahlon.r.haunschild@ac.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5604] Re: Rig advice needed
Message-ID: <35044C41.4D66C29B@sky.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you want another TS-520, check the "Virtual Hamfest" at:

<http://www.vhamfest.com>

I saw several '520s there as well as a bunch of other rigs.

Mike - W0TMW

mahlon.r.haunschild@ac.com wrote:

>
> The TS-520 DC supply uses the internal power transformer as well. The DC
> "supply" is actually not much more than a couple of inverter transistors
> and their heat sink. It still needs the transformer to generate the
> various voltages for heater, bias, B+ PA HV, etc.
>
> My advice is to try to scrounge up a replacement transformer.
>
> regards,
>
> Mahlon - N4EEE
>
> designserv @ ipass.net (LYN WILLIAMS) (Mailed by: designserv @ ipass.net
> (LYN WILLIAMS) @ internet)
> 03/09/98 07:52 AM EST
>
> To: qrp-1@lehigh.edu ("low power amateur radio discussion") @ internet
> cc: (bcc: Mahlon R. Haunschild)
> Subject: Re: Rig advice needed
>
> Wayne Barnhart wrote:
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> someone
> (maybe me) might want it for spare parts Let me know if you want to
> explore that option.
> 72,
> Lyn, W4WDN

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```
=====
Mike Watson, W0TMW           QCWA Mbr# 28651, MidContinent Chapter #35
Raymore, Missouri, USA      Grid: EM28st, ARS# 352, QRP-L# 1849
http://www.sky.net/~crucis   E-mail: crucis@sky.net
=====
```

Date: Mon, 09 Mar 1998 15:00:02 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@Lehigh.EDU
Subject: [5605] Re: Elmer 101 test equipment
Message-ID: <35047472.685C@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

As Jim says, The Fluke 73 DMM is a real bargain. Tech America also has the Fluke 76 DMM at \$96.50 (half price). It is a true RMS DMM with a digital and 63 segment (vs. 31 on the model 73) analog display, auto smoothing, built in freq counter (to >20 khz) and measures capacitance from 99nF to 9999uF, and an extra low ohms scale. Special code is XCAN2.
-72 de Chas W3KC-

Date: Mon, 9 Mar 1998 15:22:51 EST
From: Shephed <Shephed@aol.com>
To: crucis@sky.net, qrp-l@Lehigh.EDU
Subject: [5606] Re: MFJ 1278
Message-ID: <f4a2b978.35044f9d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Mike,
I know it has a keyer, the thing is I don't want to be PC dependent to run it.

I also don't have a paddle.

I'm not into the digital modes or UHF/VHF packet, so I'm just getting letting it go.

Thanks, and 73's

Dan, N8VZU

Date: Mon, 09 Mar 1998 14:44:33 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-l@Lehigh.EDU
Subject: [5607] IC-705MK II for QRP?
Message-ID: <350454B1.FB38617A@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just wondering if this box would be suitable for
qrp work... guess I'm getting antsy about the 2020!
If anyone is using one, let me know what you think
about it. (either privately or not).

Thanks all!

Tim W5FN

Date: Mon, 9 Mar 1998 14:02:10 -0700
From: n0bf@juno.com (Stephen C Stuntz)
To: DENNISMO@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [5608] Re: FT-990 Help
Message-ID: <19980309.140857.13198.0.n0bf@juno.com>

I use my FT990 at qrp levels by putting a voltage on the ALC.

Stephen Stuntz
N0BF

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Date: Mon, 9 Mar 1998 16:49:00 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: <qrp-1@Lehigh.EDU>
Subject: [5609] Help -- how to I count countries for contest multipliers?
Message-ID: <199803092148.PAA16769@dfw-ix6.ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well, I started this weekend's ARRL DX contest with great hopes of doing 100% QRP -- even worked Aland Isl, Wales and Porto Rico. But I gave in and went QRO -- 100 watts to my wire antennas.

This the first time I've considered reporting my results and I'm having difficulty understanding the reporting rules. My question is, do I count Guantanamo Bay as a multiplier on both 15m and 20m or do I only count it once in total.

Thanks,

Jake [N4UY] Vienna, VA (Washington DC suburbs)

QRP-L #821, G-QRP #9557, AK/QRP #175, CQrp #46,
NJ-QRP #74, NorCal#1457, ARCI #9392, FISTS #3450

WAS QRP W/C 49/49 (need HI)
WAS QRPp W/C 15/15 (200 milliwatts on a Pixie II / MRX-40 / Tick Keyer
combo)
DXCC-Pixie W/C 002/002

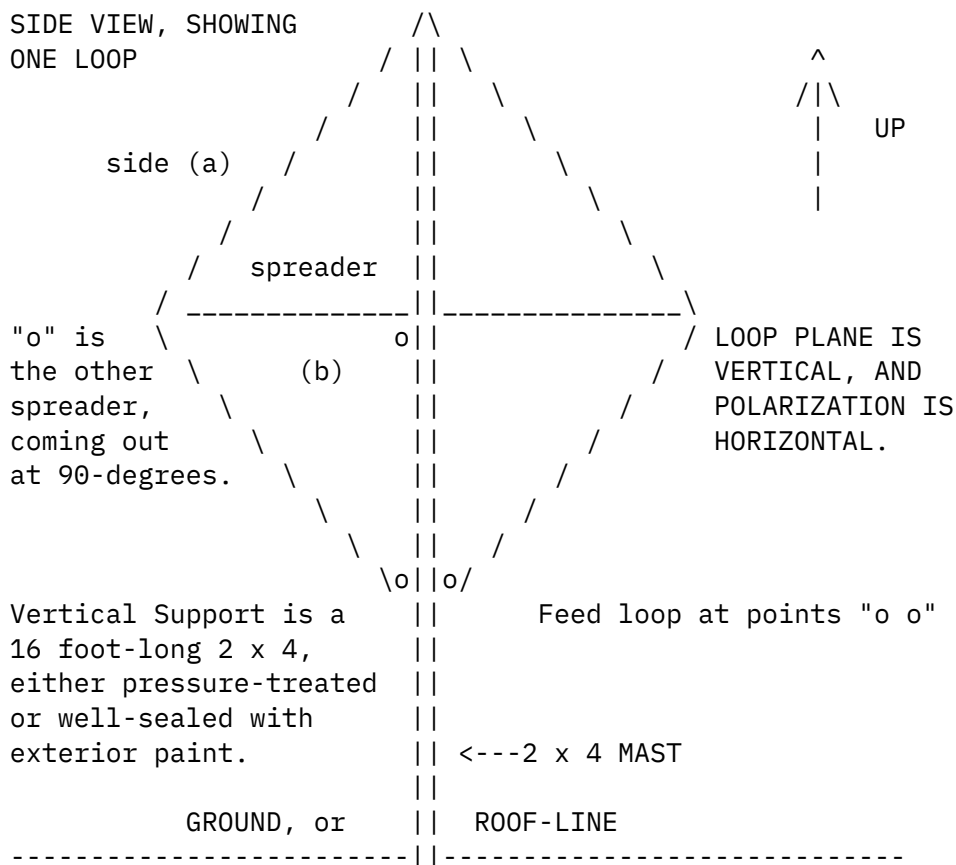
Date: Mon, 09 Mar 1998 22:19:43 +0000
From: ea8yu Goran <rodriguez@jet.es>
To: qrp-1@Lehigh.EDU
Subject: [5610] Email address on CW?
Message-ID: <3.0.5.32.19980309221943.0083bd30@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

This is not very qrp (using QR0 to get through tonight on 15 meters to US)
 but how
 do I send =B4@=B4 on CW to give my email address?

Saludos
 Goran ea8yu

 Date: Mon, 09 Mar 1998 16:49:56 EST
 From: nq2rp@juno.com (B/BAMS Club Station)
 To: qrp-1@Lehigh.EDU
 Subject: [5611] Dual Loop (with corrections and clarifications)
 Message-ID: <19980309.164900.2719.0.nq2rp@juno.com>

Should have checked my math first. Here's a better version, with a
 CHART!...Keith



Cross-arms are 3/4-inch CPVC water pipe, crossed in the middle, and reinforced with hardwood dowel stock (inside the

pipe) at the mounting points.

The 100-ohm balanced phasing line looks sort of like this:

Phasing line (c)

| | |
|-------------|---|
| --0-----0-- | The braids are connected together at both ends, and allowed to float. |
| ----- | |
| --0-----0-- | |

Each piece of coax (RG-58/U) is cut to an electrical quarter-wave long. For solid dielectric cable ($V_f = 0.66$), this would be (in feet) $164/F(\text{MHz})$. For foam dielectric cable ($V_f = 0.80$), this would be $197/F(\text{MHz})$. The lengths can be verified with a GDO or any of the antenna analyzers on the market. Velocity factor will vary in coax, so cut the sections from the same batch of cable for uniformity. Only the center conductors are used for the feed. The braids are connected together, and allowed to float. Wrap the assembly with tape, or slide it inside a length of plastic tube to keep them nested together.

The balanced line section runs between the two loops, basically connecting them in parallel, but with a 90-degree delay in one of the loops. As the RF arrives from the coax, the first loop gets fed, then 1/4-cycle later the second loop is fed, then 1/4 cycle later the first, and so on. This is the same method used to feed a turnstile antenna for omnidirective coverage.

A simpler feed method would be a 1/4-wave line of 100-ohm coax. Seeing that this is not available, RG-63/U, a 93-ohm cable can be used with only a slight mismatch. I did this on my 10 Meter loops in 1-Land back in the late 70's and it worked just fine. RG-63 is used in telecommunications and data communications where a low distributed capacitance is needed, and is a very thin center conductor inside a hollow tube, then covered with braid. The center conductor is held in place with a spiralled wrap made of what looks like fishline. The adapters for RG-59 can be used with this cable, but controlling heat is very important when soldering. There is a foam-dielectric version, but I have never worked with it.

CUTTING CHART

F (MHz) SIDE (a) SPREADER (b) PHASING LINE (c)

| | | | |
|-----------|----------|----------|----------|
| 28.3 MHz | 9.01 FT | 6.37 FT | 5.80 FT |
| 50.2 MHz | 5.08 FT | 3.59 FT | 3.27 FT |
| 144.2 MHz | 21.25 IN | 15.00 IN | 13.65 IN |

NOTE: For the 6 and 2 Meter versions, the vertical support and the spreaders can be lighter material than the 2 x 4 and the 3/4-in CPVC. A 2 x 2 and 3/8-in fiberglass electric fence stakes will be just fine on these. A 1 1/2-in closet pole can be used for the mast, too...

72/73, Keith, WB2VUO at the keys at B/BAMS
NQ2RP - QRP-L # 1294, Byron/Bergen AMateurS Club Station
Listen for our 10 Mtr Milliwatting Beacon: 125 mW @ 28.287 MHz
"Our night light runs more power than our Rig!!!"

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Date: Mon, 09 Mar 1998 16:40:32 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Craig Homer <craigh@xmission.com>
Cc: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [5612] Re: Elmer 101-equipment - Fluke 76DMM
Message-ID: <35046FE0.972E10FD@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Craig Homer wrote:

>
> Dave,
>
> I'd appreciate the code.
>

The Fluke 76 is an Insiders web-only special. Special code is XCAN2. Its good March 4 to March 17 while quantities last. The item you want is special #1. Check phone number on web page. Not sure if it is regular number or not.

<http://www.techam.com/ta3insd1.html>

73 de Dave, N0IT

Date: Mon, 09 Mar 1998 14:43:08 -0800
From: Laura Halliday <ve7ldh@direct.ca>
To: qrp-1@Lehigh.EDU
Subject: [5613] Another book
Message-ID: <3504707C.1ACCE77@direct.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I made the mistake of visiting the University of Washington bookstore Saturday, with credit cards in my possession.

The result was Hilbert Transforms in Signal Processing by Stefan Hahn, ISBN 0-89006-8986-0. A seriously interesting book, particularly for anybody who plays with things like phasing SSB, quadrature modulation, and related fun stuff.

As for the price, it was typical for a technical book, i.e. grit your teeth and try not to scream too loudly. But worth every penny. The comments about Horowitz and Hill make me suspect that some people on this list may be out of touch with what books actually cost...

...laura, 90 degrees out of phase, as usual :-)

Date: Mon, 9 Mar 1998 18:27:22 EST
From: Shephed <Shephed@aol.com>
To: rodriguez@jet.es, qrp-1@Lehigh.EDU
Subject: [5614] Re: Email address on CW?
Message-ID: <6251128.35047adc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I just send "at", most people who have access to E-mail know this means the "@" symbol.

73's
Dan, N8VZU

Date: Mon, 9 Mar 1998 17:36:31 -0600
From: "ukii" <ukii@megsinet.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [5615] Current,+ to - ???
Message-ID: <013501bd4bb4\$5527a560\$4c4f85d0@ns1.megsinet.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello again gang...
Well,kind of a late winter storm here in the Windy city.
Got a real quick question for you all...
Have they (the powers to be,including some of you) figured
out which way current flows in a dc circuit?
When I was in the Navy I beleive they said Pos to Negative
but later at a technical school the said Negative to Positive.
I would like to really know the truth...
So,which of you can tell me (us?) the real direction?
Ok,this topic should run a few days,lookin forward
to some real good reading.
(ATTN NilsBul; PLEASE,small words,I dont have
wide angle glasses)

Thanks Much
73 de John
n9ukx

Date: Mon, 9 Mar 1998 18:38:16 EST
From: Shephed <Shephed@aol.com>
To: qrp-1@Lehigh.EDU
Subject: [5616] Correction to my log for 3/9/98
Message-ID: <e8b2e303.35047d6a@aol.com>
Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Joel, WA1QVM corrected my RST rec. It was 559, not 229. Thanks Joel.

| Call | Time | Name | rec | snt | State | QRP-L# | |
|--------|------|-------|-----|-----|-------|--------|---------------------------|
| K0EVZ | 1:00 | Doc | 549 | 559 | Mn | 861 | |
| WA1QVM | 1:07 | Joel | 559 | 559 | Ma | 337 | |
| VE5RC | 1:13 | Bruce | | 229 | 449 | Can | 886 |
| KC1FB | 1:19 | Jim | | 589 | 579 | Ct | 29 |
| N10CJ | 1:24 | Pat | | 559 | 339 | Ct | 409 New contact for me. |
| K0EVZ | 1:30 | Doc | 549 | 339 | Mn | 861 | 140mW! |
| N10DL | 1:35 | Aron | 459 | 559 | Nh | 1326 | New contact for me. |
| W8IZZ | 1:45 | Don | 559 | 449 | Oh | 1454 | First Oh QRP for me. |
| WZ2T | 1:54 | Rick | 559 | 559 | Ny | 122 | New contact for me. |
| K1XS | 2:06 | Ken | 559 | 449 | Ct | 494 | New contact for me. |
| AA1MY | 2:28 | Seab | 449 | 339 | Ct | 574 | I dug you out of the QRN. |

Send any corrections my way guys, and thanks for the QSO's

72,73
Dan, N8VZU
QRP-L #1404

Date: Mon, 9 Mar 1998 18:56:12 -0500
From: nilsbull@juno.com (Nils R Young)
To: tomm@xata.com, QRP-L@Lehigh.EDU
Subject: [5617] Re: NORCAL Announcement & the post-postmodern apotheosis of Kenny
Message-ID: <19980309.185621.9310.2.nilsbull@juno.com>

Tom,

Most of 'em are real words, but the academics make more up every day.

My favorite (although not the most recently heard) is "pre-postmodern."
Like if it was pre-postmodern, does that mean the there is a post
pre-postmodern, as in after the modern but not quite old enough to be
pre-postmodern? And what about modern? Was there a "pre-modern" that we
didn't find out about until after the pre-postmodern stuff? I mean, there
should be definitive levels of postmodernism here, right? Like there's
modern, ok? And then there's post-modern which ain't quite
pre-postmodern, 'cause the postmodern is one word and there'd be a
post-modern which is a hyphenated word, right? And what about all the
stuff that was before the modern but not pre-modern? Like is that the

Biedermeierzeit or something? Or the Baroque. Or Rococco. Which ones are they? Where do they fit in this stuff?

It's like trying to get a firm date on the Second Coming, unless you live in Texas, in which case it's obviously a post-postmodern phenomenon, at least that part of it that isn't pre-post-postmodern, ok?

And they say that South Park is all BEEPED-up! Or is Kenny a post-postmodern throw-back to some fish that really know what's happening, even if Mr. Creosote doesn't come in and ask for a bucket? I mean, what's the deal here?

Oh, and is a spell-checker a postmodern invention of the text? Like everything's a text any more. Even bags of pretzels can be deconstructed. That's what they do in those labs, ain't it? All that finding out what's in the stuff so you can eat more of it and not feel guilty, like Nixon, which was a definite postmodern deal. Or was it? Maybe it was a recursive schema matrix attribute to a Edgar Cayce seance. . .

73
Nils

Nils R. Bull Young
La Estancia de los Guajolotes Sonrientes :: The Grinnin' Turkey Ranch
WB8IJN &c :: The Tagalong Press :: email to: nilsbull@juno.com
<http://www.fortunecity.com/victorian/mehetebell/94>

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Date: Mon, 9 Mar 1998 15:55:15 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: ukii <ukii@megsinet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [5618] Re: Current,+ to - ???
Message-ID: <Pine.SUN.3.90.980309154408.22275C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John,

Ah, I fear you have opened a real can of worms now!

The way I have been told the story is that way back in the early years of electricity, people thought that the current flowed from Positive to Negative.

Using that idea didn't keep anything from working.

As we got to know more, it was discovered that electrons really flow the other way around.... from Negative to Positive.

By the time this was accepted all over, many books had been written. Someone got the idea to call the old, wrong way flow, "current" flow and the correct flow the "electron" flow.

The ARRL hand book used to use these two terms to explain which way they were using.

When trying to understand something like a tube or transistor, you must think in terms of electron or negative to positive flow. When you look at most circuits (as blocks) it doesn't really matter.

Now, most people with EE's can go into near cardiac arrest when trying to think of Positive to Negative flow!

Motorola manuals used to use "current" flow when describing a radio and "electron" flow when describing how all the devices worked! :-)

OK, flame suit on.....

(The above was written and posted. No attempt to correct spelling or other such minor things has been done!)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 9 Mar 1998 18:49:10 -0500 (EST)
From: kd4zkw <kd4zkw@amsat.org>
To: ukii <ukii@megsinet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [5619] Re: Current,+ to - ???
Message-ID: <Pine.LNX.3.95.980309184515.22900D-100000@danial.dialisdn.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 9 Mar 1998, ukii wrote:

> Hello again gang...
> Well,kind of a late winter storm here in the Windy city.
> Got a real quick question for you all...
> Have they (the powers to be,including some of you) figured
> out which way current flows in a dc circuit?
> When I was in the Navy I beleive they said Pos to Negative
> but later at a technical school the said Negative to Positive.
> I would like to really know the truth...
> So,which of you can tell me (us?) the real direction?

Current flows from negative to positive, while Voltage seeks ground. In other words, EMF (Electromotive Force) pushes ground to give up free electrons. These free electrons forming in a circuit compose current, so while EMF creates the potential, current flows from ground to the potential, which in this case is positive. The reason it's called positive is because there are less free electrons in the positive potential than there should be. As a result, free electrons from the negative side (more electrons than there should be) flow toward the positive side of a circuit.

Hope this made it easy.

| Curtis D. Levin kd4zkw | kd4zkw@amsat.org | QRP-L #1488 |
| http://www.diaisdn.net/user/cdlevin |

End of QRP-L Digest 1024

